

AD-A128 120 BOSCOMBE DOWN UNITED KINGDOM REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER O..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 83  
UNCLASSIFIED USAFETAC/DS-83/006 SBI-AD-E850 370 F/G 4/2

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1/5

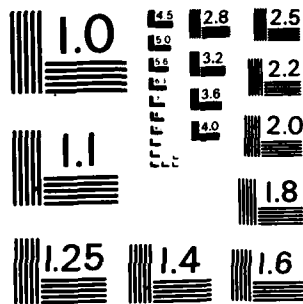
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USAFETAC/DS-83/006 SBI-AD-F850 370

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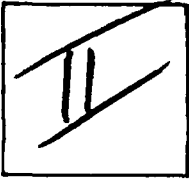


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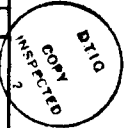
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ADA 128120

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DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

SCOTT AFB, IL 61928

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

BOSCOMBE DOWN UK MSC # 037460  
N 51 10 W001 45 ELEV: 407 FT EGDM  
PARTS A-F HOURS SUMMARIZED: 0000Z-2300Z  
PERIOD OF RECORD:  
HOURLY OBSERVATIONS: JAN 73- DEC 82  
SUMMARY OF DAY DATA: NONE AVAILABLE  
TIME CONVERSION GMT TO LST 0

28 MAR 1983

23 MAR 1983

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FEDERAL BUILDING  
ASHEVILLE, N. C.



REVIEW AND APPROVAL STATEMENT

This report is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by DDC to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

Wayne E. McCollom

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UNCLASSIFIED **REF 850 370** **UK 037460**  
 SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS 83/006	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-  BOSCOMBE DOWN, UNITED KINGDOM		5. TYPE OF REPORT & PERIOD COVERED Final rept															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) <p>This report is a six-part statistical summary of surface weather observations for</p> <p>BOSCOMBE DOWN, UNITED KINGDOM</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (Daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric</p>																	

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\*UNITED KINGDOM

\*BOSCOMBE DOWN

\*

20. Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)



The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.



The lack of the Summary of the Day (SOD) data limits the summaries contained in this RUSSWO. The Daily Summaries for the cumulative Percentage Frequencies for Maximum, Minimum and Mean Temperatures and the extreme maximums and minimum temperatures are included. These summaries were prepared by using the hourly temperature values and a specifically designed computer program to calculate these tables. Although these data are extremely close and very reliable, they may not exactly agree with other published data. Hourly wind data are available, however, the peak winds (SOD) data are not included.



U.S. AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into summary of the day's observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the method of presentation. Calculations are prepared from hourly and daily observations recorded by stations operated by the U. S. Air Force and other stations using similar reporting practices.

Part C observations noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE

PART B PRECIPITATION DATA NOT AVAILABLE

SNOWFALL DATA NOT AVAILABLE

SNOW DEPTH DATA NOT AVAILABLE

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP DATA NOT AVAILABLE

EXTREME MAX & MIN TEMP DATA NOT AVAILABLE

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV.  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE DATA NOT AVAILABLE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_



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CONTINUED ON REVERSE SIDE



## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.



STATION	STATION NAME	YEARS	MONTH
1450	BOSCOMBE DOWN UK	73-80	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS WET	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH AT LEAST TRACE	TOTAL NO. OF OBS
JAN	30-32	.1	14.9	.3	2.2		16.1	15.1	12.1			27.2	587
	33-35		14.9	.2	2.1		16.5	15.2	8.3			23.6	527
	36-38	.1	15.5	.3	2.7		18.2	14.4	7.2	.1		21.7	584
	39-41		15.7		3.0		17.5	13.3	8.6			21.9	67
	42-44		17.6	.1	2.6		19.7	7.4	10.8			15.3	575
	45-47		15.2		2.4	.1	16.6	5.7	12.6			18.5	983
	48-50		16.2	.1	1.5	.1	17.2	9.1	14.5	.2		24.2	985
	51-53		15.2	.2	1.8		17.6	12.6	14.6	.1		27.5	584
TOTALS	50	.1	15.9	.2	2.3	.1	17.5	11.6	11.1	.1		22.9	7760



SECRET

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DATE 10-17-98

73-57

FILE  
MONTH

MONTH	DAYS IN MONTH	RAIN AND OR HIZZE	FREEZING RAIN AND/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH PRECIP TO WIND	TOTAL NO. OF DAYS
FEB	0-31	14.4	.8	3.5		18.1	14.3	23.3	.1		37.7	932
	03-05	17.7	1.7	4.1		22.5	17.7	20.4			38.1	937
	06-08	16.3	1.0	3.2		21.7	16.0	20.4	.1		38.6	937
	09-11	20.1	.4	3.2		23.2	11.2	23.6	.6		35.4	936
	12-14	17.7	.4	3.8		21.8	2.8	19.1	.4		22.2	924
	15-17	20.3	.4	2.5		22.9	1.9	18.9	.2		21.0	927
	18-20	16.7	.4	2.9		21.1	4.3	25.5	.1		30.0	931
	21-23	16.1	1.2	3.6		20.0	8.5	23.2			31.7	936
TOTALS		17.9	.8	3.4		21.4	9.8	21.8	.2		31.8	6653



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AD: WEATHER SERVICE/MAC

## WEATHER CONDITIONS

00401 LOSCOMBE DOWN UK

73-82

447

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

[illegible]



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/HAC

## WEATHER CONDITIONS

STATION 205COMBE DOWN UK YEARS 73-82 MONTH APR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH VIS TO VISION	TOTAL NO. OF OBS
APR	00-02		9.7		.8		10.2	7.2	17.8			25.0	983
	03-05		9.7		.8		10.3	12.3	21.4			33.7	978
	06-08		12.7		.9	.1	13.5	8.0	25.3			33.3	882
	09-11		13.6		.5	.1	13.7	1.5	17.6			19.1	884
	12-14	.1	11.5		.1	.1	11.6	.1	10.6			10.7	870
	15-17		10.4		.3	.1	10.9		7.3			7.3	881
	18-20	.1	9.2		.6		9.6	.2	14.5			14.7	884
	21-23	.1	9.8		.5		10.3	3.0	18.8			21.9	886
TOTALS		.0	10.8		.6	.1	11.3	4.0	16.7			20.7	7048



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## WEATHER CONDITIONS

12460  
STATION

BOSCOMBE DOWN UK

73-82

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	.2	12.3				12.3	9.9	12.6			22.5	916
	03-05	.1	11.6				11.6	19.0	15.1			34.1	921
	06-08	.3	13.3				13.3	8.3	17.8			26.1	909
	09-11	.1	13.3				13.3	.1	12.1			12.2	910
	12-14		11.9		.3	.1	12.1		6.3			6.3	898
	15-17	.4	11.8			.1	11.9		4.8			4.8	916
	18-20	.6	12.1		.2		12.1	1.1	6.5			7.6	904
	21-23	.2	11.2				11.2	3.9	13.2			17.1	918
TOTALS		.2	12.2		.1	.0	12.2	5.3	11.1			16.3	7292



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

17467 30SCOMBE DOWN UK 73-82 JUN  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02	.9	9.3				9.3	11.0	13.2			24.2	673
	03-05	.3	10.9				10.9	19.3	14.5			33.8	875
	06-08	.2	12.1				12.1	7.8	15.9			23.7	868
	09-11		11.9				11.9	.3	8.9			9.2	869
	12-14	.5	8.6				8.6	.3	5.0			5.3	863
	15-17	.2	9.3				9.3		5.7			5.7	873
	18-20	.9	9.1			.1	9.2		5.0			5.0	878
	21-23	.6	9.5				9.5	3.8	11.2			15.0	873
TOTALS		.5	10.1				.0	10.1	5.3	9.9		15.2	6971





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

137900  
STATION

60SCOMBE DOWN UK

STATION NAME

73-82

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02	.4	8.7				8.7	8.8	11.6			20.4	896
	03-05	.9	9.9				9.9	14.2	13.5			27.7	903
	06-08	.3	11.6				11.6	4.4	14.3			18.7	881
	09-11	.2	9.8				9.8	.6	6.6			7.1	899
	12-14	.1	8.3				8.3		3.3			3.3	871
	15-17	.8	7.4				7.4		1.7			1.7	901
	18-20	.3	6.7				6.7		3.8			3.8	885
	21-23	.4	8.3				8.3	1.6	12.3			13.9	893
TOTALS		.4	8.8				8.8	3.7	8.4			12.1	7129



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATP WEATHER SERVICE/MAC

## 237450

505COMBE DOWN UK

73-82

AUC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST.	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02	.6	11.6				11.6	12.2	18.1			30.3	877
	03-05	.3	12.7				12.7	26.4	14.5			40.9	903
	06-08	.3	12.5				12.5	16.9	17.0			33.8	878
	09-11	.2	9.0				9.0	.8	14.1			14.9	901
	12-14	.2	9.0				9.0		7.7		.1	7.8	893
	15-17	.6	9.6				9.6		7.8			7.8	886
	18-20	1.0	11.4				11.4	.1	11.1			11.2	881
	21-23	.7	10.6				10.6	4.0	20.2			24.2	893
TOTALS		.5	10.8				10.8	7.6	13.8		.0	21.4	7112





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

37460 BOSCOMBE DOWN UK

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	.2	13.9				13.9	16.5	11.4			26.0	883
	03-05		13.8				13.8	23.8	10.2			34.1	881
	06-08	.1	13.0				13.0	20.4	10.7			31.1	868
	09-11	.2	13.3				13.3	2.6	11.4			14.0	880
	12-14		9.1				9.1		6.6			6.6	875
	15-17	.3	13.9			.1	14.0	.1	6.9			7.1	879
	18-20	.5	12.6				12.6	1.5	12.6			14.1	878
	21-23	.6	13.8				13.8	10.5	14.2			24.7	879
TOTALS		.2	12.9			.0	12.9	9.4	10.5			20.0	7023



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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## WEATHER CONDITIONS

007060

BOSCOMBE DOWN UK

73-82

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02		13.0				13.0	22.7	9.4			32.1	922
	03-05		16.0				16.0	26.3	7.0			33.2	918
	06-08		16.7				16.7	26.3	8.1			34.4	917
	09-11	.1	16.0				18.0	9.0	12.0			21.0	902
	12-14		16.2				16.2	.9	11.4			12.3	895
	15-17		18.1				18.1	.8	11.5			12.3	904
	18-20		17.2				17.2	6.4	16.0			22.5	917
	21-23	.3	15.6				15.6	13.9	12.4			26.3	911
TOTALS		.1	16.4				16.4	13.3	11.0			24.3	7286





2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

037450 BOSCOMBE DOWN UK

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02		15.1		.7		15.2	14.4	9.6			24.1	886
	03-05		19.3		.3		19.3	14.9	9.3			24.3	890
	06-08		18.3		.3		18.3	26.2	9.9			26.2	887
	09-11		15.6		.4		15.8	10.0	10.3			20.3	891
	12-14		18.5		.9		18.7	3.7	8.1			11.8	881
	15-17		18.2		.3		18.2	4.3	10.2			14.5	890
	18-20		14.6		.6		14.8	6.1	11.0			19.1	889
	21-23		15.5		.4		15.5	12.0	12.6			24.6	890
TOTALS			16.9		.5		17.0	10.5	10.1			20.6	7104



2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

1950 BOSCOMBE DOWN UK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS TEST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH TEST TO VISION	TOTAL NO. OF OBS
DEC	00-02		17.4		2.0		18.6	14.4	11.8			26.2	915
	03-05		19.4		2.1		20.6	14.7	12.0	.1		26.9	916
	06-08	.1	18.9		2.5		20.6	14.5	10.5	.2		25.2	916
	09-11		18.7		2.0		20.3	10.1	12.7	.2		23.0	921
	12-14		16.1		1.4		17.5	5.3	13.4			18.7	905
	15-17	.1	17.2		1.6		18.6	7.0	14.0			21.0	919
	18-20		18.1		1.7		19.3	10.4	15.5			25.9	922
	21-23		18.2		1.6		19.4	13.4	13.9			27.3	922
TOTALS		.0	18.0		1.9		19.4	11.2	13.0	.1		24.3	7335



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION 308COMBE DOWN UK 73-82 ALL  
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL	.0	15.9	.2	2.3	.0	17.5	11.6	11.1	.1		22.9	7560
FEB			17.9	.8	3.4		21.4	9.8	21.8	.2		31.8	6653
MAR		.0	19.9		2.5	.0	21.5	5.5	15.9			21.3	7281
APR		.0	10.8		.6	.1	11.3	4.0	16.7			20.7	7048
MAY		.2	12.2		.1	.0	12.2	5.3	11.1			16.3	7292
JUN		.5	10.1			.0	10.1	5.3	9.9			15.2	6971
JUL		.4	8.8				6.8	3.7	8.4			12.1	7129
AUG		.5	10.8				10.8	7.6	13.8		.0	21.4	7112
SEP		.2	12.9			.0	12.9	9.4	10.5			20.0	7023
OCT		.1	16.4				16.4	13.3	11.0			24.3	7286
NOV			16.9		.5		17.0	10.5	10.1			20.6	7104
DEC		.0	18.0		1.9		19.4	11.2	13.0	.1		24.3	7336
TOTALS		.2	14.2	.1	.9	.0	14.9	8.1	12.8	.0	.0	20.9	85295



## PART A

## ATMOSPHERIC PHENOMENA

### DATA NOT AVAILABLE

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.

(2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.

(3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.



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## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

DATA NOT AVAILABLE

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.



- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT



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PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \* 1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \* 2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT: WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 107480 BOLCOMBE DOWN UK YEARS 73-82 MONTH JAN 1980-1982  
CLASS ALL WEATHER  
CONDITION

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.7	1.9	.9	.2	.3						4.2	13.4
NNE	.1		.3	.1								.6	7.6
NE	.3	.2	.5	.5								1.5	7.9
ENE		.5	.7	1.3	.7	.3						3.2	13.4
E	.5	.5	1.9	.7	.3	.3						4.4	11.4
ESE	.3	1.1	1.2	1.3	.7	.3						4.3	10.2
SE	.3	1.2	2.2	1.7	.1	.1						5.3	8.4
SSE	.6	1.5	1.4	1.0	.8	.4						5.2	11.5
S	.3	1.5	3.3	2.5	1.9	1.1	.3	.1				11.2	13.4
SSW		1.7	1.8	2.8	.3	.3	.5					7.4	11.5
SW	.1	.1	2.2	2.3	1.1	.6						6.2	12.5
WSW	.1	1.9	2.8	2.5		.1						7.5	9.3
W	.9	2.4	3.2	5.8	2.2	.7						16.1	11.4
WNW	1.7	3.1	.8	2.3	1.5	.6	.1					11.0	9.9
NW	1.4	1.5	1.4	1.4	.2							5.3	7.6
NNW	.6	1.1	.8	.9	.3							3.5	8.1
VARBL													
CALM												5.1	
	7.4	18.3	26.4	26.7	10.0	5.1	.9	.1				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 860



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 03000 BOSCOMBE DOWN UK YEARS 73-82 MONTH JAN  
STATION NAME BOSCOMBE DOWN UK CLASS ALL WEATHER HOURS (LST) 0300-0600  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	1.1	1.7	.2	.5						3.3	10.6
NNE	.3	.2	.3	.1								1.3	7.3
NE		.8	.5	.8	.1							2.1	9.8
ENE	.2	.1	.8		.8	.2						2.1	13.4
E	.5	1.4	3.4	.6	.7	.5						6.3	10.5
ESE	.5	.3	1.8	.9	.1	.3						3.9	15.8
SE	.6	1.2	2.1	1.0	.3			.1				5.4	9.1
SSE	.2	1.2	1.1	.8	.6	.2	.2					4.4	11.2
S	.6	.5	2.6	2.4	1.8	1.2	.5					9.6	13.9
SSW	.7	.3	1.7	1.9	1.2	.6	.3					6.3	13.3
SW	.1	.3	2.9	2.4	1.6	.3						7.2	12.5
WSW	.6	1.8	2.5	2.6	.2	.1						7.8	9.0
W	1.0	2.9	3.6	6.7	1.9	.2						15.7	10.5
WNW	.9	1.7	1.5	2.6	1.4	.3						8.3	11.0
NW	1.0	1.5	2.7	.9								6.1	7.4
NNW	.7	.3	1.4	1.1								3.5	6.4
VARBL												4.4	
CALM													
	9.0	15.6	30.4	25.0	10.9	4.5	1.0	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 687



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 1440 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JAN MONTH  
ALL WEATHER CLASS 1600-2800 HOURLY  
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.6	1.6	.8	.3							4.1	8.4
NNE	.1	.5	.8	.1								1.5	7.2
NE	.3	.5	.1	.3	.1							1.4	7.2
ENE	.3	.9	.8	1.1	.8							4.5	10.9
E	.2	.3	2.9	.8	.7	.6						5.5	11.4
ESE	.1	.3	1.3	1.6	.1	.1						3.3	10.6
SE	.1	.5	1.7	1.9	.8	.2						4.3	11.9
SSE	.1	.8	2.5	.5	.8	.1						4.3	10.5
S	.5	1.6	4.2	2.0	1.7	1.5						11.4	12.2
SSW	.3	.7	2.7	1.7	.2	.9	.2					6.8	11.9
SW	.7	.6	1.7	1.8	2.3	.1						7.1	12.4
WSW	.5	.7	3.3	2.1	.3	.2						7.1	10.2
W	.7	1.5	4.4	5.5	1.8	.5						14.4	11.3
WNW	1.0	2.8	2.1	2.5	1.8	.1						13.4	10.1
NW	1.2	1.8	1.0	1.2								5.3	6.8
NNW	.5	.3	1.8	1.6								4.2	9.6
VARBL													
CALM												5.0	
	7.5	14.3	32.2	24.8	11.8	4.3	.2					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 884



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

7450 BOSCOMBE DOWN UK 73-82  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JAN  
MONTH  
1982-1982  
HOURS (LST)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.5	1.0	1.5	.2							4.7	8.7
NNE	.2	.3	.8									2.5	6.5
NE	.1	.1	.5	.5	.1							1.2	10.5
ENE	.5	.5	1.6	1.3		.1						3.6	9.7
E	.5	1.3	2.6	1.8	1.1	.5						7.5	11.2
ESE	.1	.3	1.1	1.0		.1						2.7	10.3
SE	.3	.6	.5	1.1	.6	.3						3.4	11.9
SSE		1.2	2.5	.7	.2	.7						5.3	10.7
S	.7	2.4	4.3	2.3	1.9	1.1	.1					12.5	11.6
SSW	.5	.6	1.7	2.0	1.2	.6	.1					6.7	12.3
SW	.6	.8	1.7	2.8	1.7	.6	.2					8.4	13.1
WSW	.7	.9	2.2	3.2	.5	.2						7.6	10.3
W	.9	1.5	1.9	3.2	1.7	.8	.3					15.3	12.8
WNW	1.1	1.1	1.7	1.9	1.2	.3						7.5	10.7
NW	.7	1.1	.8	.6	.2							3.4	7.3
NNW	.7	.7	1.4	1.7								4.4	9.1
VARBL												4.1	
CALM													
	8.0	14.7	26.0	30.3	10.8	5.3	.8					170.0	10.6

TOTAL NUMBER OF OBSERVATIONS

880



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 137460 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JAN MONTH 1200-1400 HOURS (LST)  
CLASS ALL WEATHER  
CONDITION

SPEED KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	2.2	1.4	.6							5.4	9.8
NNE	.2	.2	1.5	.6								2.5	8.2
NE	.3	.2	.6	.8	.1							2.1	8.8
ENE	.3	.7	.9	.5		.2	.1					2.7	9.3
E	.2	.8	2.4	1.8	1.0	.3						6.5	11.4
ESE	.2	.1	.6	.6	.1							1.6	10.3
SE	.6	.3	1.0	1.1	.2	.6		.1				4.5	12.6
SSE	.1	.5	.3	2.1	.5	.2	.2					3.9	13.7
S	1.1	1.7	2.7	4.6	1.4	1.7						13.2	12.1
SSW	.2	.5	1.6	2.7	1.6	.8	.1					7.5	14.0
SW	.2	.6	.8	2.3	1.4	.5	.3			.1		6.2	15.0
WSW	.7	.9	1.9	2.9	.2							6.6	9.9
W	.6	2.2	4.5	7.3	3.2	1.3						18.9	12.6
WNW	.9	.3	1.4	3.0	2.3	1.1	.6					9.8	14.7
NW	.5	.5	1.0	1.5	.6	.6						4.5	12.1
NNW	.5	.5	.7	1.0	.3							3.0	9.9
VARBL													
CALM												1.7	
	7.2	10.7	24.1	34.0	13.5	7.2	1.4	.1	.1			100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 876



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 7300 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JAN NORTH  
ALL WEATHER CLASS 1500-1700 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.6	1.7	1.3	1.5	.3							5.1
NNE	.7	.6	1.3	.3								2.5
NE	.2	.5	.2	.8								1.7
ENE	.5	.2	.6	.3	.2	.3						2.2
E	.5	.7	1.2	1.9	1.1	.5						6.1
ESE	.3	.8	.6	.6		.1						2.4
SE	.1	1.7	.7	2.0	.3	.2						4.4
SSE	.5	.2	.2	1.5	.5	.1						2.9
S	.7	2.7	2.4	4.6	1.9	.6	.2					13.1
SSW	.7	.3	2.2	1.5	.7	.5	.1					5.5
SW	.1	.5	1.8	2.6	1.0	.1	.5	.2				6.6
WSW	.2	1.1	3.2	2.7	.2	.1	.1	.1				7.7
W	.6	2.5	4.2	8.5	1.1	1.3	.3	.1				18.3
WNW	.7	1.7	2.5	3.9	1.5	1.1						11.3
NW	.5	.8	1.2	1.2	.1	.6						4.4
NNW	.3	.7	.9	1.4		.2						3.5
VARBL												1.5
CALM												1.5
	7.0	16.2	23.9	35.3	9.1	5.4	1.1	.5				100.0

TOTAL NUMBER OF OBSERVATIONS

883



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

37450 BOSCOMBE DOWN UK 73-82  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JAN  
MONTH  
1800-1000  
HOURS (LST)

SPEED KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	1.5	1.5								3.5	7.5
NNE	.3	.2	1.0	.3								1.9	7.5
NE	.1	.2	.7	.5								1.5	9.2
ENE	.5	.5	.5	.6	.2	.3						2.5	15.6
E	.7	.8	1.4	1.5	1.5	.1						5.9	11.5
ESE	.1	.5	1.1	1.5	.7							3.3	11.4
SE	.3	.6	.7	1.2	.9	.1						3.5	11.7
SSE	.2	.7	.9	1.5	.6	.2						4.1	11.7
S	.3	1.7	3.7	2.4	1.5	1.2	.1					13.9	12.2
SSW	.2	1.6	3.8	2.6	1.2							9.5	10.2
SW	.1	.3	2.3	2.8	.7	.2	.1	.2				6.7	12.9
WSW	.6	1.2	3.2	2.6		.3						7.9	9.9
W	1.9	2.7	5.1	4.3	1.6	1.0	.3	.1				17.5	13.9
WNW	1.0	2.6	1.8	2.3	1.1	.7						9.5	10.2
NW	.3	1.4	.9	.8	.2	.2						3.3	9.1
NNW	.5	.9	.9	.6		.1	.2					3.2	9.3
VARBL												3.5	
CALM													
	5.5	16.9	28.9	26.7	10.2	4.6	.8	.3				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

886



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 077450 STATION NAME 30SCOMBE DOWN UK YEARS 73-82 MONTH JAN  
CLASS ALL WEATHER NO. OF OBS. 2100-2300  
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.2	.7	1.2		.3						3.1	10.4
NNE	.1	.6	.9									1.6	7.3
NE	.1	.1	.6	.5	.1	.1						1.5	10.6
ENE	.1	.5	.5	1.2		.7						2.6	12.2
E	.6	1.1	1.2	1.1	1.2							5.9	10.3
ESE	.1	.7	1.5	1.1	.6	.2						4.2	11.4
SE	.7	.7	1.7	1.5	.2							4.3	9.1
SSE	.6	.5	.5	.9	.9	.2	.1					3.7	12.1
S	.5	2.1	4.5	1.9	1.7	1.3	.6					12.3	12.2
SSW	.5	.6	2.4	2.1	1.1	.2						6.9	11.3
SW	.3	.5	4.1	3.3	.9	.1						9.6	10.4
WSW	.7	.9	1.9	2.6	.1	.1						6.3	9.7
W	1.1	2.0	3.5	6.4	1.4	.8	.1	.1				15.5	11.6
WNW	1.8	2.3	2.3	1.1	1.2	.1	.2	.1				9.2	9.5
NW	.9	1.2	1.1	1.6	.5							4.6	8.5
NNW	.6	.8	.8	1.1	.1							3.4	8.6
VARBL													
CALM												4.6	
	7.2	15.3	28.6	27.3	10.1	3.6	1.0	.2				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

884



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

074000 800000SE DOWN UK

73-82

J 22

## STATION

STATION N-11

**YEARS**

MONTH

ALL WEATHER

**CLASS**

ALL

MOVIES LIST 1

### COMPOSITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	1.3	1.2	.2	.1						4.4	9.3
NNE	.3	.3	.9	.2								1.7	7.3
NE	.2	.3	.4	.6	.1	.0						1.6	9.1
ENE	.3	.5	.8	.7	.3	.2	.0					2.9	11.1
E	.4	.9	2.2	1.3	1.3	.3						6.1	11.0
ESE	.2	.5	1.1	1.0	.2	.2						3.3	10.4
SE	.4	.5	1.3	1.3	.4	.2		.5				4.4	10.6
SSE	.3	.6	1.1	1.1	.6	.3	.1					4.2	11.5
S	.5	1.8	3.4	2.8	1.7	1.2	.2	.0				11.8	12.3
SSW	.4	.9	2.2	2.2	1.0	.5	.2					7.2	11.9
SW	.3	.5	2.2	2.5	1.3	.3	.1	.1				7.3	12.8
WSW	.5	1.2	2.6	2.6	.2	.2		.0				7.3	9.6
W	1.0	2.2	3.8	6.5	1.9	.8	.1	.0				16.3	11.7
WNW	1.1	2.0	1.8	2.4	1.5	.6	.1	.0				9.5	11.0
NW	.8	1.2	1.3	1.1	.2	.2						4.7	8.6
NNW	.5	.7	1.1	1.2	.1	.2	.0					3.6	9.1
VARBL													
CALM												3.7	
	7.8	15.2	27.6	28.8	10.8	5.3	.9	.2	.0			100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

7-60



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 37400 DOBSCOMBE DOWN UK STATION NAME 73-82 YEARS FEB MONTH 0000-000 HOURS LST

ALL WEATHER CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.2	.5	.5	.1							2.5	7.3
NNE	.2	1.0	1.6	1.1								3.9	8.5
NE	.1	.5	1.2	1.4	.1							3.4	9.9
ENE	.1	1.3	2.3	2.8	.4							6.9	10.8
E	.7	2.4	4.2	5.3	1.4	.6						14.7	11.1
ESE	.2	.7	1.2	2.2								4.3	9.6
SE	.4	.6	1.6	2.0	.5							5.5	10.3
SSE	.4	1.4	1.8	.8	.2	.4						5.7	9.0
S	.2	1.6	4.6	4.1	1.4	.2	.4					12.5	11.7
SSW	.4	.2	.8	2.3	.5	.2	.1	.1				4.7	13.1
SW	.1	1.0	1.0	1.6	1.1	.4	.2					4.3	15.1
WSW	.2	1.1	2.9	1.8	.2							6.2	9.5
W	.2	1.0	2.9	3.5	.1	.1						7.8	10.5
WNW	1.1	.6	1.7	1.4	.1	.2						5.2	8.9
NW	1.1	1.1	.8	.4	.1							3.2	6.3
NNW	.5	.6	.1	.2	.1							1.8	7.1
VARBL													
CALM												0.5	
	5.4	15.4	29.1	31.4	6.5	2.2	.7	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 632



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

77-92

52

## STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

55-77

CLASS

### CONCLUSION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.4	1.1	.5								3.5	6.9
NNE			1.3	.3	.2							2.4	11.7
NE		.7	1.2	1.0	.1							3.	9.6
NNE	.1	.6	3.1	2.9	.7							7.5	17.3
E		1.7	6.3	4.9	.7	.5	.2					14.6	17.6
ESE		1.1	.8	1.9								4.2	9.2
SE	.2	.3	1.2	1.9	.1							4.	9.0
SSE	.1	1.1	1.3	.8	.4							3.7	9.3
S	.6	1.4	4.3	3.1	1.7	.7						11.9	11.7
SSW	.4	.2	1.6	2.0	.8	.2		.4				5.7	12.9
SW	.4	.4	1.4	1.1	1.3	.5						5.1	13.
WSW	.4	.6	2.3	2.2	.1							3.5	9.7
W	.7	1.3	3.7	1.4	.1							7.3	6.5
WNW	1.2	1.1	2.2	1.4	.1	.6						5.6	9.1
NW	1.7	1.1	1.1	.4								3.6	6.1
NNW	.5	1.	.1									1.6	4.5
VARBL													
CALM												9.3	
	5.0	14.6	33.1	26.5	6.5	2.5	.2	.4				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

६४०



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

73-82

52

STATION

STATION NAME

95:28

10010

ALL WEATHER

CLASS

CONCLUSION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	9	MEAN WIND SPEED
N	.4	1.2	1.7	.6	.1							2.7	8.4
NNE	.1	.5	1.2	.6								2.3	8.5
NE	.4	.2	1.4	1.2	.2	.7						3.7	10.4
ENE	.2	.5	2.7	4.5	.2							3.4	10.4
E	.1	2.4	5.3	6.3	.7	.5						12.4	17.8
ESE	.7	1.1	1.1	2.4								5.3	8.7
SE	.2	.8	1.1	1.4								3.5	8.7
SSE	.5	.8	1.2	1.4		.4						4.3	10.1
S	.2	1.1	5.0	3.6	1.6							11.2	11.1
SSW	.1	.5	2.3	1.9	.7	.6		.4				5.5	13.7
SW	.1	.6	2.2	1.7	1.5	.1	.1					6.7	11.3
WSW	.5	.8	1.2	1.3								3.5	8.5
W	.5	1.4	1.6	2.4	.4							5.2	9.5
WNW	.6	1.8	1.6	1.2	.2	.4						5.7	9.1
NW	1.3	1.8	.8	.1	.1							2.2	8.1
NNW	.1	.5	.5	.1	.1							1.2	7.0
VARBL													
CALM												1.5	
	5.9	15.5	30.5	31.2	5.7	2.2	.1	.4				12.7	9.4

TOTAL NUMBER OF OBSERVATIONS

537

USAFETAC

5: 20 AM

FORM 1041-2 (11-20-82) (REV. 1-2-82)



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

73-2

FILE

ALL WEATHER

100-117

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	1.3	.7	.4								3.0
NNE		.4	.8	.7									1.9
NE	.4	.6	2.3	1.7	.1	.2							3.3
ENE	.4	.5	2.8	2.4	1.2								7.2
E	.7	2.7	4.1	6.6	2.7	.1							15.3
ESE	.4	.7	1.7	1.7	.2								4.7
SE	.6	1.3	1.6	3.4									6.7
SSE	.6	1.4	1.6	2.8	.5	.5							7.1
S	.7	1.1	3.7	4.3	1.4	.5		.3					11.2
SSW	.4	.6	1.3	2.3	1.1	.1	.1	.5					5.3
SW	.1	.1	1.3	1.3	.7	.2							3.8
WSW	.4	1.2	.8	1.6	.7								4.4
W	.1	1.2	1.8	3.3	1.2								7.7
WNW	1.0	.9	2.0	.8	.6	.4							5.6
NW	.1	.4	.8	.8									3.1
NNW	.7	1.0	1.0	.2	.1								2.0
VARBL													3.0
CALM													
	7.7	14.1	29.1	33.9	9.8	1.4	.1	.7				100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

८३०

[illegible]



2

U.S. BAL CLIMATOLOGY BRANCH  
 WAFSC/TAC  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 145 DOBSCOMBE DOWN UK YEARS 73-82  
 ALL WEATHER  
 CLASS  
 CONDITION  
 FE- NORTH  
 1277-1400  
 HOURS LST

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.3	1.1	.8	.8							4.7	9.9
NNE	.1	.4	1.3	.3								2.7	9.3
NF		1.1	1.3	1.1	.4	.4						4.6	11.6
NNE		.5	1.3	3.3	.8	.2						6.3	12.7
E	.7	1.7	2.4	5.9	1.3	.1						11.5	11.9
ESE	.4	.7	1.3	3.5	.5	.2						6.7	11.5
SE	.4	.7	1.5	2.9	.6							5.9	10.9
SSE	.6	.9	2.3	2.2	.5							6.4	9.7
S	1.2	1.5	2.2	5.1	1.5	.6	.4	.4				12.7	13.3
SSW	.1	.7	1.2	1.9	.8	.4		.3				5.3	14.5
SW		.3	.8	2.1	2.1		.1					5.3	14.6
WSW	.2	.6	1.0	3.4		.2						6.5	11.2
W	.3	1.7	1.5	4.0	1.8	.4						10.2	11.5
WNW	.1	1.7	1.3	2.2	1.7	.5	.1					6.2	12.9
NW	.4	.2	.6	.6	.2	.2						2.3	10.6
NNW		1.7	1.5	.8	.4							3.6	9.9
VARBL													
CALM												1.0	
	4.5	13.1	23.2	4.7	12.7	3.3	.6	.6				100.5	11.7

TOTAL NUMBER OF OBSERVATIONS 824

CAUTION: IF ANY OF THE FOLLOWING CONDITIONS ARE OBSERVED, THE DATA ARE UNRELIABLE  
 1. WINDS FROM THE DIRECTION OF THE OBSERVATION  
 2. WINDS FROM THE DIRECTION OF THE OBSERVATION  
 3. WINDS FROM THE DIRECTION OF THE OBSERVATION



NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/AMC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 450000 COMBE DOWN UK STATION NAME 73-92 YEARS 1977-1977  
 ALL WEATHER CLASS 1977-1977  
 CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	1.2	.7	.2							3.5	8.9
NNE	.1	.4	1.2	1.0								2.7	8.8
NE		1.1	2.5	1.5	.7							5.3	10.1
ENE	.1	.7	2.1	2.3	.7	.4						5.3	11.9
E	.8	1.7	2.8	4.7	1.5							15.8	15.4
ESE	.6	.4	1.5	2.5	.2	.4						5.4	11.8
SE		1.5	1.6	2.8	.2							6.2	15.5
SSE	.7	.5	1.6	2.5	.2	.1						5.4	15.5
S	.7	1.0	3.5	5.4	1.3	.5	.1					15.3	11.6
SSW		.1	.6	2.8	1.6	.1	.1	.2				5.6	15.6
SW	.2	.2	.2	2.2	2.1	.2	.1					5.3	15.4
WSW	.1	1.2	.4	1.6	.5							3.7	15.4
W	.1	1.8	2.7	4.6	2.2	.5						12.2	12.4
WNW	.5	1.0	1.3	1.8	1.2							5.8	11.5
NW	.1	.5	1.1	.5	.5	.1						2.9	15.7
NNW	.2	1.5	1.3	.8	.1							3.5	8.6
VARBL												1.9	
CALM													
	4.5	14.6	25.9	37.2	12.5	2.8	.4					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 827

ALL DATA ARE FROM 0000Z TO 2300Z. ALL DATA ARE IN KNOTS. ALL DATA ARE IN PERCENT.



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

STATION 40000 USCOMBE DOWN UN STATION NAME 73-R2 YEARS  
ALL WEATHER CLASS  
LOCATION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3	1.6	.6								4.7	6.9
NNE	.1	1.1	1.1	.2								2.8	6.1
NE	.4	.6	1.2	1.7	.5							4.3	9.6
ENE	.5	1.1	2.7	1.9	.8							8.1	11.3
E	1.2	2.3	2.8	3.6	1.8	.4						12.0	13.4
ESE	.6	1.7	1.3	2.3	.2	.1						5.5	9.5
SE	.5	1.3	2.8	2.2	.4	.1	.1					7.8	9.0
SS		.3	2.2	1.3	.1	.2						5.9	9.1
S	.2	1.3	4.3	4.6	.7	.6						11.6	11.4
SSW			1.7	1.7	1.2	.6	.1					6.6	14.3
SW		.4	2.2	1.3	.6							4.5	11.7
WSW		1.1	1.7	2.3								5.1	9.8
W	.6	1.4	2.3	3.1	.7	.7	.2	.1				9.5	11.8
WNW	.6	.8	1.4	1.9	.5							5.3	9.7
NW	.1	.6	.8	.7								2.3	8.9
NNW	.1	1.1	.2	.1	.4							1.9	7.9
VARBL												3.9	
CALM													
	5.9	18.4	29.6	37.9	7.9	2.8	.5	.1				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

531



U.S. AIR FORCE CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 FROM HOURLY OBSERVATIONS

SURFACE WINDS

STATION  
 4

STATION NAME  
 1

ALL WEATHER  
 100

100

STATION  
 100  
 100-0100  
 100-0100

WIND DIRECTION	0-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7.3	16.0	28.0	31.7	8.5	1.9	.8														

TOTAL NUMBER OF OBSERVATIONS

636



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION	BOSCOMBE DOWN UK	73-82	FE
STATION NAME	ALL WEATHER	YEARS	MONTH
CLASS	ALL		ALL
CONDITION			HOURS (LST)

SPEED KNTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	1.1	.6	.2							3.7	7.9
NNE	.1	.6	1.1	.8	.1							2.6	9.3
NF	.2	.7	1.6	1.3	.3	.1						4.2	10.1
ENE	.2	.3	2.2	2.9	.6	.1						6.8	10.8
E	.5	2.7	4.1	5.3	1.3	.3	.3					13.7	13.6
ESE	.4	.8	1.4	2.3	.2	.1						5.2	10.1
SE	.3	1.2	1.8	2.2	.3	.7	.3					5.7	10.7
SSE	.4	1.2	1.7	1.7	.3	.2						5.4	9.7
S	.5	1.3	4.2	4.2	1.4	.5	.1	.1				12.3	11.6
SSW	.2	.3	1.3	2.4	1.3	.3	.1	.2				5.5	14.1
SW	.1	.3	1.2	1.6	1.2	.2	.1					4.3	13.5
WSW	.3	.7	1.5	2.1	.1	.3						4.9	9.8
W	.6	1.4	2.3	3.2	.9	.3	.1	.3				8.7	11.0
WNW	.9	1.1	1.6	1.6	.5	.3	.3					5.9	9.7
NW	.7	.6	.8	.5	.2	.3						2.9	7.8
NNW	.3	.3	.6	.3	.2							2.2	7.8
VARBL													
CALM												5.2	
	6.1	15.3	28.6	32.9	8.8	2.4	.4	.3				170.3	13.1

TOTAL NUMBER OF OBSERVATIONS

6653



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 740 BOSCOMBE DOWN UM STATION NAME 73-82 YEARS 400 NORTH  
ALL WEATHER CLASS 000-0200 HOURS LT ST  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	3.6	2.0	.2	.3						4.4	9.3
NNE	.2	1.0	1.7	1.5	.2							4.6	9.2
NE	.3	.6	1.0	.6	.3							3.0	9.2
ENE	.6	.2	1.7	.8	.8							4.0	9.0
E	.4	1.0	3.9	2.0								7.3	8.7
ESE		.4	1.5	.7								2.6	8.7
SE	1.0	.4	1.2	1.7	.1							4.7	8.4
SSE	.3	.6	1.3	1.1	.4	.1						3.0	10.1
S	.9	1.0	3.0	2.9	1.0	.9	.1					7.7	11.6
SSW	.6	1.0	2.3	4.5	1.5	1.0	.1					11.1	12.0
SW	.3	.3	2.6	2.2	.2	.4	.2					6.3	11.2
WSW	.2	.6	1.4	3.1	.2	.2						5.7	11.3
W	.5	.7	1.8	2.5	2.1	.2						8.1	12.0
WNW	.5	1.4	3.1	.6	.4							6.4	7.8
NW	.0	1.4	1.0	.1		.1						3.9	7.0
NNW	.4	1.0	.4	.6								2.4	7.1
VARBL													
CALM												7.8	
	3.4	14.2	31.5	26.6	7.6	3.5	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

909



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 4-1 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS MONTH 10-1990  
CLASS ALL WEATHER  
CONDITION

SPEED KNTS. DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.5	3.5	1.9		.1						7.8	9.1
NNE	.2	1.1	1.5	1.3	.6	.1						4.9	12.5
NE	.1	.5	1.7	.7	.2	.1						2.5	13.3
ENE	.4	.2	2.1	1.2	.4	.1						4.5	13.4
E	.5	1.1	2.6	1.8								6.3	8.2
ESE	.2	.6	1.1	1.1								3.7	9.2
SE	.6	.4	1.7	1.3	.2							4.2	9.2
SSE	.6	.9	1.5	1.7	.1	.1						4.9	9.1
S	.1	1.4	4.5	3.8	.7	.3						10.8	13.5
SSW	.4	.8	2.1	3.6	1.5	1.7						9.5	13.1
SW	.1	.1	1.1	2.7	.8	.7						4.7	14.2
WSW	.3	1.4	1.5	3.3	.3							7.5	13.2
W	.1	1.7	1.1	4.6	.9	.2						8.3	12.1
WNW	1.2	2.7	1.5	.3	.1							5.2	8.5
NW	.9	1.7	1.1	.9		.2						4.7	7.6
NNW	.7	.9	1.4	.7		.1						3.3	6.7
VARBL												7.8	
CALM													
	7.2	16.3	29.6	3.1	5.8	3.1						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

906



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10400 STATION NAME LOSCOMBE DOWN UK YEARS 73-82 MONTH MAR  
CLASS ALL WEATHER HOURS (LST) 600-1800  
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	2.7	2.2	.1							6.6	9.3
NNE	.5	1.3	1.8	1.8	.7	.1						6.1	9.9
NE	.4	.7	1.1	.7	.2	.2						3.3	9.3
ENE		.7	.9	1.8		.2						3.6	11.1
E	.5	1.2	2.9	2.4								7.3	8.6
ESE		.5	1.3	.7	.1							2.9	9.1
SE	.2	.8	1.9	1.2	.2							4.3	9.3
SSE	.2	.9	1.4	1.2	.5							4.3	10.3
S	.3	1.3	4.3	5.0	1.0	.2						12.2	10.9
SSW	.1	.2	1.6	3.8	1.1	1.0	.1					8.0	14.6
SW		.3	1.0	2.9	1.0	.4						5.6	13.5
WSW		.7	1.8	2.9	.1	.2						5.6	11.0
W	.4	1.4	1.2	3.4	1.4	.2						8.1	11.9
WNW	.9	2.0	1.5	1.3	.3	.2						6.2	6.4
NW	1.0	1.6	1.6	1.0	.1							5.4	7.1
NNW	.7	.8	1.1	.9	.1	.3						3.8	9.5
VARBL													
CALM												6.7	
	5.9	16.0	28.1	33.0	7.0	3.2	.1					110.0	7.8

TOTAL NUMBER OF OBSERVATIONS 917



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 1467 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MAC NORTH  
900-1100  
HOURS (LST)

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.1	1.3	2.5	.8							6.3	10.2
NNE	.2	.7	1.4	2.3	.9							5.6	11.2
NE	.3	.4	1.2	1.8	.2	.4						4.4	11.3
ENE	.2	1.0	1.7	1.4	.3	.1	.1					4.3	10.2
E	.2	.9	1.4	2.3	.3							5.3	10.5
ESE	.3	.6	.8	1.3	.2							3.2	9.7
SE	.1	.9	1.3	1.3	.7							4.3	10.5
SSE	.3	1.0	2.0	1.0	.7							5.3	9.8
S	.3	1.4	1.1	4.7	3.3	.7	.1					11.7	13.9
SSW	.1	.7	.8	3.8	2.0	.4						8.5	15.3
SW		.2	.9	2.5	2.0	.4						6.1	14.9
WSW		.7	.9	2.9	.6							5.0	12.5
W	.4	.9	.7	5.3	1.9	1.1						10.3	14.1
WNW	.8	.6	1.0	1.9	1.1	.9						6.2	12.5
NW	.3	.7	.7	2.2	.4	.1						4.4	11.5
NNW	.4	1.0	1.5	3.1	.2	.3						6.6	10.5
VARBL												2.4	
CALM													
	4.7	12.7	18.7	40.4	15.6	4.9	.7					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

906



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NO. 407 WOODCOMBE DOWN UK  
STATION NAME

73-90

YEARS

W 44  
MONTH

ALL WEATHER  
CLASS

1700-1400  
HOURS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.0	2.3	4.2	.7							3.2	11.2
NNE	.2	.4	1.2	2.8	.4							3.4	10.8
NE		.4	.6	3.5	.7							4.7	12.4
ENE	.4	.2	.8	1.2	.2	.3						3.2	11.8
E	.7	.0	1.7	2.2	.2							5.1	11.5
ESE	.7	.2	.0	1.2				.1				2.5	11.4
SE		.1	.6	1.8	1.5	.3						3.6	14.6
SSE	.4	1.0	1.3	1.2	.7	.3						5.7	10.9
S	.2	.9	1.8	3.9	2.3	1.3						10.3	14.4
SSW	.2	.2	1.3	3.4	3.3	1.2	.4					10.5	15.5
SW	.2	.6	.6	2.1	3.2	1.1	.1					7.8	16.1
WSW	.2	.2	1.1	2.8	1.3							5.6	12.9
W		.6	1.4	4.4	3.4	1.4	.1					11.5	15.3
WNW	.1	.4	1.1	2.9	1.5	.7						5.7	14.5
NW	.1	.4	.4	1.2	.2							2.4	11.2
NNW		1.9	1.1	2.8	.7							5.4	11.6
VARBL													
CALM												0.4	
	2.9	10.2	18.1	40.5	19.9	6.6	.7	.1				100.0	13.1

TOTAL NUMBER OF OBSERVATIONS

906



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

DO COMBE DOWN UP

73-82

4 A . . .  
MONTH

ALL WEATHER  
CLUB

100-1700

## CONCLUSION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.3	2.4	3.7	.7							7.2	13.4
NNE	.3	.4	2.2	2.3	.9							6.5	13.8
NE	.1	.3	.9	2.3	.1							5.7	13.8
ENE	.1	.3	.8	1.8	.3	.1	.2					3.6	12.8
E	.2	.9	.7	1.4	.2							3.4	9.8
ESE	.2	.2	1.1	1.0	.1							2.6	9.1
SE	.1	.3	1.1	1.5	1.2							4.3	12.3
SSE	.3	.3	.7	1.1	.7	.2						3.5	11.8
S	.2	1.2	2.5	5.4	.9	.4						1.7	12.1
SSW	.3	.3	1.3	5.1	2.2	1.8	.2					11.2	15.4
SW		.3	.5	2.7	2.0	1.4						7.1	16.3
WSW	.1	.2	.9	3.4	.2	.1						4.0	12.4
W	.2	1.7	1.2	6.7	3.3	1.2						13.3	14.4
WNW	.3	.4	1.6	1.3	2.5	.5						6.7	13.8
NW	.1	.5	.8	1.4								2.9	13.4
NNW	.2	1.4	2.1	2.3	.2							6.3	9.1
VARBL												1.1	
CALM													
T	1.0	11.0	21.0	42.5	15.2	5.8	.4					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

912

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
 USAF/FLTAO  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17467 BOSCOMBE DOWN UK STATION NAME 73-R2 YEARS MONTH 1800-2000  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.6	2.8	1.5	.2							7.8	8.1
NNE	.3	1.6	2.5	2.2	.7							6.7	9.2
NE	.1	1.4	1.4	1.4	.4	.1						4.9	10.3
ENE	.2	.3	.7	2.	.2	.2						3.6	11.3
E	.2	1.2	.7	1.3	.2	.2						3.8	10.1
ESE	.2	.7	1.1	.5	.3							2.8	9.1
SE	.2	1.1	1.2	.5	.3	.1						3.5	9.0
SSE	.4	1.3	1.2	.9	.2	.1						3.9	8.7
S	.1	2.6	5.1	2.6	1.0	.3						11.7	10.7
SSW		1.3	3.5	4.3	1.6	1.2	.1					11.6	13.3
SW	.1	.1	1.7	4.5	.9	.4						7.6	13.2
WSW		.2	.9	2.4	.4	.1						4.0	12.5
W	.2	1.5	3.2	4.5	1.4	1.3						11.3	12.1
WNW	.4	1.4	1.4	1.6	1.1	.2						6.2	11.0
NW	.4	1.3	.7	.4	.1							3.9	7.1
NNW	.1	1.3	2.5	.8								5.2	7.7
VARBL												2.3	
CALM													
	3.7	25.4	29.5	31.7	9.1	3.9	.1					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

920



GLOBAL CLIMATOLOGY BRANCH  
 STAFF TAC  
 AIR WEATHER SERVICE/4AC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION 11000 BOB COMBE DOWN UN

73-82

MAC

STATION

STATION NAME

YEARS

MOON

ALL WEATHER

1100-2300

CLASS

MOON

CONDITION

SPEED KTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.4	3.1	.7	.1	.1						7.7	7.7
NNE	.2	1.4	2.2	2.2	.3							6.7	9.4
NE	.2	.7	1.6	1.3	.5	.1						4.5	10.8
ENE	.2	.5	1.2	1.5	.1							3.1	9.5
E	.3	1.5	1.6	2.1	.1							5.7	9.1
ESE	.2	1.1	1.2	.7	.1							3.5	8.8
SE	.3	1.3	1.3	1.2	.1	.1						4.5	8.3
SSE	.3	1.3	1.4	.9	.3							3.9	9.1
S	.3	2.1	3.5	1.9	.7	1.2						10.2	10.5
SSW	.2	.7	2.1	4.7	.9	.6	.1	.1				9.5	10.4
SW	.5	.2	1.4	3.4	.7	.4	.2					6.2	12.7
WSW	.3	.5	2.1	2.4	.4							5.6	10.7
W	.3	2.2	2.3	3.2	1.5	.1						7.5	11.2
WNW	.5	.7	1.4	1.5	.5	.2						6.2	9.4
NW	.5	.7	1.3	.4		.7						3.2	8.4
NNW	.8	1.5	1.4	.4								4.2	8.6
VARBL													
CALM												5.5	
	5.6	20.3	29.3	23.2	6.4	3.5	.3	.1				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

512



U.S. AIR FORCE CLIMATE BRANCH  
 W. H. PETERSON  
 AIR WEATHER SERVICE, WAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: LAUREL, MISSISSIPPI STATION NUMBER: 17-222  
 CLASS: ALL WEATHER  
 MONTH: MAY  
 YEAR: 1957

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.1	2.7	5.3	.7	.1						7.7	9.4
NNE	.3	1.1	1.7	2.6	.6	.1						5.3	10.2
NW	.2	.7	1.1	1.4	.3	.1						3.8	10.3
ENE	.3	.5	1.2	1.4	.7	.1	.1					3.8	10.8
E	.4	1.1	1.7	1.8	.1	.1						3.5	10.8
ENE	.1	.5	1.1	1.0	.1	.1						2.9	9.0
SE	.7	.7	1.3	1.3	.5	.1						4.2	11.1
SSE	.4	.7	1.4	1.1	.5	.1						4.3	10.9
S	.4	1.1	3.2	3.8	1.3	.7	.1					10.2	11.7
SEW	.2	.7	1.8	4.2	1.8	1.1	.2	.7				10.3	14.2
SW	.2	.3	1.2	1.8	1.3	.7	.1					6.5	14.0
WSW	.2	.5	1.3	2.8	.5	.1						5.3	12.5
W	.3	1.2	1.6	4.3	2.7	.7	.1					10.1	13.0
WNW	.5	1.3	1.6	1.4	1.4	.3						6.1	12.6
NW	.3	1.7	.4	1.2	.1	.1						3.7	8.4
NNW	.4	1.7	1.5	1.4	.2	.1						4.8	9.1
VARBL												4.4	
CALM													
TOTAL	10.1	15.1	15.7	34.0	10.8	4.7	.3	.7				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

7281



JOINT CLIMATOLOGY BRANCH  
USAFETA  
AT WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
FROM HOURLY OBSERVATIONS

SURFACE WINDS

40  
STATION

BOBSCOMBE DOWN UP

STATION NAME

77-40

ALL WEATHER  
CLASS

8-2

MONTH

100-200  
WIND CLASS

LOCATION

SPEED KNOTS C.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	4	MEAN WIND SPEED
N	1.5	3.5	4.1	1.1	.5							1.5	7.4
NNE	.3	2.4	1.5	2.2	.1							5.9	8.6
NE	.8	2.7	2.3	2.4	.1							5.6	9.1
ENE	.5	.7	1.2	2.9	.6							5.0	11.4
E	.2	1.7	2.3	1.5								5.8	7.7
ESE	.2	.5	1.7	.3								2.0	7.5
SE		.7	.6	.8								2.1	9.3
SSE	.7	.3	.9		.1							1.6	7.5
S	.3	2.7	2.5	1.5								5.4	7.7
SSW		.2	2.3	1.2	.1							5.9	10.2
SW	.5	.5	.7	1.8	.3	.1						3.5	11.3
WSW	.1	.5	2.3	.7								3.3	8.7
W	1.6	1.4	2.3	2.8	.1							8.2	8.4
WNW	2.7	2.8	2.7	1.7	.2							9.5	6.4
NW	1.7	2.7	1.1	.7								5.5	5.8
NNW	1.5	2.5	2.8	.3	.1							7.2	6.4
VARBL													
CALM													
	21.8	23.2	30.2	22.0	2.3	.1						100.1	7.3

TOTAL NUMBER OF OBSERVATIONS

583



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 1460 BOSCOMBE DOWN UK STATION NUMBER 73-82 YEARS MONTH 1960-1960  
CLASS ALL WEATHER  
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	4.2	4.6	1.4	.5							11.4	7.6
NNE	.2	1.8	3.0	1.9	.1							7.1	5.9
NE	.6	1.7	2.4	2.5	.1							6.3	9.1
ENE	.2	1.1	.7	5.3	.3							5.7	11.1
E	.6	1.7	1.9	1.7								4.5	8.7
ESE	.2	.5	1.1	.7								2.5	5.2
SE	.2	.5	.5	.7								1.5	8.2
SSE		.6	1.2	.3								1.5	7.9
S	.3	1.7	2.1	.9	.1							4.4	6.2
SSW	.5	.3	2.2	1.1	.3	.1						4.6	9.6
SW	.1	.3	1.1	.5	.6	.1						2.7	11.9
WSW	.3	.7	1.4	.8								3.2	6.7
W	1.4	2.2	2.4	3.1								7.1	8.1
WNW	3.1	2.5	2.4	1.5	.1							9.5	5.2
NW	1.8	2.4	2.4	.8								7.4	6.3
NNW	1.3	2.9	2.8	.6								7.5	6.5
VARBL													
CALM												7.9	
	11.6	23.1	31.9	21.1	2.7	.7						10.5	7.3

TOTAL NUMBER OF OBSERVATIONS 878



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 10500 LOSCOMBE DOWN UN 77-82 APR 1960-1960  
STATION NAME CLASS MONTH HOURS (LST)  
ALL WEATHER  
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	3.1	3.7	3.7	.1							11.1	8.8
NNE	.2	1.7	3.2	2.8								7.9	9.2
NE	.3	1.3	1.8	4.2	.1							7.7	10.4
ENE	.2	.7	2.5	3.7	.2							6.9	10.9
E	.2	1.5	2.7	1.4								5.9	8.2
ESE		.3	.8	.5								1.7	6.9
SE	.5	.1	.5	.9	.2							2.2	10.1
SSE	.2	.1	1.1	.8	.1							2.4	9.4
S	.7	1.5	1.7	.7	.3							4.4	8.4
SSW	.5	.7	.8	1.4	.8	.1						4.2	11.3
SW	.1	.2	.7	1.4	.1							2.6	11.3
WSW	.1	.7	1.4	1.1		.2						3.5	9.8
W	1.8	1.2	2.5	2.9	.5							9.0	8.7
WNW	2.5	2.8	1.9	1.7	.1							9.1	6.8
NW	2.3	2.4	1.9	1.6	.1							8.3	6.8
NNW	1.1	2.2	3.1	.8	.5							7.6	7.6
VARBL												5.7	
CALM													
	11.1	20.4	29.6	29.7	3.2	.3						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

682



CENTRAL CLIMATOLOGY BRANCH  
COMPTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1000L BOSCOMBE DOWN UK STATION NAME 73-82 YEARS APR MONTH 1900-1900 MONTHS ALL WEATHER CLASS CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.5	2.6	3.2	6.2	.1							12.5	10.0
NNE	.6	.2	2.7	5.1	.5							10.1	11.0
NE	.1	.4	1.9	3.7	1.2							7.8	11.6
ENE	.1	.2	1.7	4.9	1.6	.2						3.7	10.4
E	.5	.9	1.7	3.2	.3							6.6	10.4
ESE	.6	.5	1.5	.8	.1							3.1	8.9
SE	.2	.3	.3	1.5	.1							2.5	10.9
SSE	.1	.2	.5	.7	.2	.2						1.9	12.3
S	.2	1.1	2.1	1.5	.7							5.7	10.2
SSW	.5	.6	.7	1.0	1.0							3.7	11.2
SW	.1	.1	.5	1.4	.8							2.8	13.1
WSW	.2	.5	1.4	.8								2.8	8.9
W	.5	.7	2.3	5.3	.8	.1						9.6	11.6
WNW	.7	1.5	1.2	1.2	1.0	.2						5.4	10.5
NW	.3	.6	1.9	2.7	.3	.1						6.2	10.8
NNW	.6	2.4	2.4	3.1	.5							8.8	9.4
VARBL												1.7	
CALM													
	5.7	13.0	25.5	44.0	9.3	.2						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

684



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 1746 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS  
CLASS ALL WEATHER  
CONDITION  
APR NORTH  
1200-1400  
HOURS - LST

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.4	3.3	4.8	.3							11.1	10.0
NNE	.1	.7	2.1	7.2	.2							10.3	11.4
NE	.1	1.7	1.8	4.1	.7							6.2	11.3
ENE	.7	.3	1.3	3.9	2.5	.6						9.4	14.0
E	.3	1.7	1.1	2.1	.3							4.9	13.4
ESE	.5	.3	.3	.7	.5	.2						2.5	11.2
SE		.5	.5	1.6	.9							3.4	13.0
SSE		.5	.1	.7	.2							1.5	11.4
S	.8	.6	1.0	3.3	.3	.1						6.2	10.8
SSW		.3	.2	1.5	.5	.2						2.6	13.9
SW	.1	.1	1.3	2.6	1.0	.1						5.3	12.7
WSW		.7	.9	1.5	.3							3.1	11.1
W		.4	2.5	4.8	1.4							9.5	11.9
WNW		.8	1.3	2.4	.7	.3						5.5	12.6
NW	.1	.7	1.4	2.0	.2	.1						4.5	10.9
NNW	.6	1.4	3.6	3.9	.5							9.9	10.4
VARBL												1.8	
CALM													
	3.6	12.2	22.8	47.2	10.7	1.7						100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

870



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION: POSCOMBE DOWN UK YEARS: 73-82 APP: 1500-1700  
STATION NAME: ALL WEATHER MONTH: 1500-1700  
CLASS: ALL WEATHER HOUR: 1500-1700  
CONDITION: ALL WEATHER

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	5.0	6.6	.5							13.1	13.7
NNE	.1	1.6	3.9	6.5	.5							12.5	13.7
NE	.1	.6	2.6	4.3	1.1							8.7	11.9
ENE	.1	.7	1.2	2.8	1.8	.5						7.2	13.6
E	.3	.3	.6	1.8	.7							3.3	11.4
ESE	.3	.1	.7	1.5	.3							5.0	11.2
SE	.1	.2	1.0	2.5	.1							4.0	11.2
SSE	.2	.3	.7	.7	.2							2.2	9.6
S	.7	.2	.6	1.8	.1	.1						3.5	9.9
SSW	.3	.1	1.4	3.2	.5	.3	.1					5.9	12.5
SW		.5	.8	1.9	1.7	.1						5.0	13.9
WSW	.2	.2	.9	1.2								2.8	13.2
W	.1	.7	1.2	6.4	.6	.2						9.2	12.6
WNW	.3	1.4	2.5	3.1	.3	.3						7.5	13.6
NW	.1	.9	1.4	1.8	.1	.2						4.1	10.3
NNW	.5	1.0	1.7	3.7	.2	.1						7.3	12.6
VARBL													
CALM												1.0	
	3.9	9.7	25.7	49.0	8.7	1.9	.1					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 880



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 30SCOMBE DOWN UK YEARS 73-82  
STATION NAME CLASS ALL WEATHER  
CONDITION  
APR NORTH 1800-2000  
HOURS (LST)

SPEED KNTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.7	3.5	2.9	.1							11.1	8.5
NNE	.6	2.6	5.5	3.5	.1							12.3	8.9
NE	.1	1.2	5.0	4.2	.5							11.0	10.5
ENE	.5	.5	1.1	2.0	.3	.2						4.6	11.1
E	.5	.3	2.5	1.9	.2							5.4	9.7
ESE	.3	.6	2.5	.3								3.6	8.3
SE	.2	.3	1.1	.6								2.5	8.3
SSE	.2	.5	.3	.2	.1							1.4	7.8
S	.5	1.4	3.3	1.0	.3							6.4	8.4
SSW	.2	.7	1.4	2.1	.1	.7						5.0	10.5
SW		.6	1.0	2.0	1.2	.1						5.3	12.8
WSW		.8	.6	.6								1.9	7.9
W	.3	1.5	2.9	4.3	.9	.1						10.1	10.7
WNW	.3	2.3	2.9	1.6		.1						7.2	8.4
NW	.2	.7	1.5	.7	.3	.1						3.5	9.9
NNW	.5	1.6	2.3	1.7	.2							6.2	9.1
VARBL													
CALM												2.7	
	4.9	19.8	37.4	29.8	4.5	.9						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 884



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

17461 BOSCOMBE DOWN UK

73-82

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURLY (LST)

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	5.1	2.6	1.1	.2	.1						15.4	7.5
NNE	.6	2.7	2.9	2.1	.2							8.6	8.3
NE	.5	.9	3.3	3.5								8.1	9.9
ENE	.3	.7	1.9	1.3	.8							7.5	11.3
E	.7	1.1	3.5	1.5								6.8	8.5
ESE	.7	.3	1.6	.7								3.5	5.4
SE	.7	.5	.6	.2								1.5	7.1
SSE	.2	.7	.7									1.6	5.8
S	.2	1.9	2.7	.8								5.6	7.8
SSW	.2	1.5	2.4	1.2	.1							5.4	8.6
SW	.7	.3	1.0	1.2	.2							3.5	9.8
WSW	.5	.8	1.0	.9								3.2	7.9
W	1.0	1.8	3.0	3.5	.1							9.5	8.9
WNW	1.9	3.3	2.0	1.2								3.5	6.5
NW	1.0	2.3	1.1	.3								4.5	5.7
NNW	.7	1.7	1.5	1.5	.1							5.4	8.1
VARBL												7.4	
CALM													
	10.2	25.5	31.8	23.1	1.8	.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

686



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 07407 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS APR MONTH ALL HOURS (LST) CLASS ALL WEATHER CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	3.2	3.7	3.5	.3	.0						11.4	8.8
NNE	.3	1.7	3.2	4.0	.3							9.5	9.7
NE	.4	1.1	2.6	3.7	.5							6.4	10.4
ENE	.3	.7	1.4	3.4	1.5	.2						6.9	12.3
E	.5	.7	2.0	1.7	.2							5.4	9.1
ESE	.3	.5	1.1	.7	.1	.7						2.7	9.5
SE	.2	.4	.6	1.1	.2							2.5	10.5
SSE	.2	.4	.7	.8	.1	.8						1.3	9.1
S	.4	1.2	1.9	1.4	.2	.5						5.2	8.9
SSW	.3	.6	1.4	1.6	.4	.1	.0					4.4	10.8
SW	.2	.3	.9	1.6	.8	.1						3.5	12.3
WSW	.2	.6	1.2	1.0	.0	.0						3.1	9.1
W	.8	1.3	2.4	4.1	.5	.1						9.3	10.2
WNW	1.4	2.1	2.1	1.7	.3	.1						7.8	8.1
NW	1.0	1.5	1.6	1.3	.1	.1						5.5	8.1
NNW	.5	1.9	2.5	1.9	.3	.7						7.5	9.6
VARBL													
CALM													
	5.0	18.4	29.4	33.2	5.3	.8	.0					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

7047



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1345- BOSCOMBE DOWN UK

73-82

474  
1011

## STATION

STATION 2-NE

YEAR

ALL WEATHER

**CLASS**

### CONDITION

1000-1270

SPEED KNTS- DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.1	1.5	.5	.1							2.4	6.4
NNE	.4	.6	3.2	2.6	.1							7.2	9.3
NE	.3	.7	2.2	3.3								5.5	9.5
ENE	.3	.3	1.4	1.9	.8							5.1	10.0
E	.7	2.7	4.7	3.6	.3							11.3	9.2
ESE	.1	.0	1.3	.3	.2							2.8	5.7
SE	.5	1.7	.4	.2								3.2	5.7
SSE	.9	1.0	1.2	.2								3.6	5.9
S	1.0	3.7	3.8	1.2	.3							9.3	7.5
SSW	.3	1.3	2.4	1.5	.1							3.4	8.8
SW	.1	.3	2.1	1.7		.1						4.4	9.8
WSW	.5	1.2	1.3	.8								3.5	7.4
W	2.1	2.2	2.2	2.3								0.7	7.3
WNW	2.5	3.5	1.6	1.0								0.6	5.6
NW	3.2	1.6	1.0	.5								6.3	4.6
NNW	.9	1.7	.3									2.2	4.7
VARBL													
CALM												7.5	
	14.7	24.4	33.4	23.8	2.2	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

915



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7460 SOLCOMBE DOWN UK 73-84  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MAY  
MONTH  
000-0600  
HOURS LST

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	3.3	2.4	1.0								7.6	6.3
NNE	.7	1.7	1.6	2.5	.1							5.3	9.2
NE	.3	1.2	1.2	1.5								4.2	1.0
ENE	.3	.3	2.3	2.2	.5							5.8	1.1
E	.5	2.1	5.2	3.7	.1							11.6	7.1
ESE	.5	.3	1.4	.2	.5							2.2	7.6
SE	.3	.3	1.0	.3								2.5	0.5
SSE	.8	1.3	1.0	.4	.1							3.3	6.7
S	.3	2.5	2.6	1.2	.2							6.8	8.3
SSW	.3	1.3	3.4	1.3	.4							6.4	9.3
SW	.4	.1	1.6	1.5								3.7	9.4
WSW	.4	1.3	1.0	.7								3.3	7.3
W	1.3	1.3	1.7	1.6		.1						5.5	7.6
WNW	1.2	3.3	1.6	1.1	.1							7.3	6.6
NW	2.3	2.2	1.4	.5								6.4	5.5
NNW	3.2	1.4	1.2	.1								4.9	4.8
VARBL													
CALM												9.8	
	15.3	24.9	50.3	12.9	1.8	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

220



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

45  
STATION

DO SCOMBE DOWN UK

STATION NAME

73-82

TELUS

MAY

NORTH

ALL WEATHER

CLASS

6.0-7.00

HOURS OF DAY

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.1	2.5	1.6								7.4	7.7
NNE	.3	1.3	1.7	1.3	.8							6.8	1.0
NE	.4	.5	1.1	2.8	.4							5.3	1.7
NNE	.1	1.3	1.8	2.3	.8							6.3	10.6
E	.9	1.2	4.6	4.1	.6							11.6	7.5
ESE	.6	.7	.7	.4	.3							2.5	8.0
SE	.6	1.4	1.5	.4	.1							3.5	7.3
SSE	.6	1.2	1.3	.7								3.7	7.3
S	1.2	2.0	2.9	1.5	.6							1.1	6.4
SSW	.4	1.1	3.5	2.4	.8	.2						.5	13.2
SW	.3	.7	2.0	1.1	.1							4.2	8.8
WSW		.4	1.9	1.1								3.4	9.2
W	.9	2.5	2.1	1.5								6.5	7.6
WNW	2.1	2.1	1.5	1.8	.1	.1						7.7	7.1
NW	1.5	1.1	1.1	1.4								5.2	7.3
NNW	1.2	1.0	1.7	.9								4.7	5.9
VARBL													
CALM												4.5	
	12.0	27.1	31.2	27.5	4.3	.3						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

979

USAFETAC

FORM  
NO. 64

THIS FORM PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

7-92

W A V  
M C B

ALL WEATHER

100-1100

6100

— — — — —

SPEED KNOTS D.R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.4	2.5	2.4		.1						5.7	9.0
NNE	.1	.6	2.1	3.8	.4	.1						7.3	11.9
NE	.1	.3	1.5	3.7	1.4							7.1	12.9
ENE	.3	.4	1.9	5.3	.5							5.5	10.7
E	.7	.4	2.1	2.5	1.3	.3						7.5	11.1
ESE	.1	.4	1.3	3.1	1.7	.3						4.9	13.7
SE		.7	1.2	1.4	.3							3.5	12.7
SSE	.1	.	1.3	1.3	.1							3.1	9.7
S	.7	1.5	2.5	2.6	1.5							3.9	12.3
SSW	.4	.3	1.2	4.7	1.1	.3						3.5	13.1
SW	.1	.3	1.5	2.2	.9							5.1	12.5
WSW		1.2	1.4	1.9	.1							4.6	9.3
W	.5	1.5	3.3	3.2								3.8	9.7
WNW	.9	1.1	.4	2.1	.5	.3						3.2	10.8
NW	.7	1.3	1.3	1.3	.3							4.5	8.9
NNW	.4	1.6	1.8	1.9	.2							3.9	8.0
VARBL													
CALM												1.5	
	5.6	14.6	27.3	19.1	9.9	2.0						111.3	10.6

TOTAL NUMBER OF OBSERVATIONS

91.

[illegible]



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME
4	40 COMES DOWN UP

77-5
























ALL WEATHER  
CLASS

100-2-240-0

550 L. J. Hall

WIND DIR	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4	4.7	2.5	3.1								0.7	7.4
NNE			1.6	3.2	.7	.2						0.7	11.2
N-E			.8	1.6	.9	.1						4.5	12.1
NNE	.7	.4	2.1	2.2	1.8	.2						7.9	12.7
E	.1		1.6	2.5	.9							5.8	11.2
ESE	.1	.1	.3	1.9	.6	.2						4.2	15.7
SE	.1	.7	.4	2.2	.6	.3						5.0	13.4
ESE	.1	.5	1.1	2.7	.4	.2						4.7	11.5
S	.2	1.0	2.8	2.5	1.5	.2						7.7	11.1
SSW	.1	.7	1.5	3.0	2.2	.6						6.9	14.2
SW	.1	.1	.8	2.9	1.5	.1	.3					4.2	12.7
WSW	.1	1	1.6	2.5	.1							1.2	7.4
W	.4	2	1.8	3.5	.2							3.4	9.3
WNW	.3	1.1	1.1	3	1.2	.7						5.7	11.6
NW	.1	4	.6	1.9	.1	.3						3.4	12.5
NNW	.2	1.7	2	1.6								6.1	8.7
VARBL													
CALM												.1	
TOTAL	10.7	14.5	22.8	47.6	13.1	3.5	.3					100.0	14.0

TOTAL NUMBER OF OBSERVATIONS

821

[illegible]



U.S. CLIMATOLOGY BRANCH  
U.S. AIR FORCE  
AIR WEATHER SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION: LOSCUMBE DOWN OV  
STATION NAME: LOSCUMBE DOWN OV  
YEARS: 77-82  
CLASS: ALL WEATHER  
MONTH: 10-17  
HOURS: 1-17  
CONDITION:

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.4	3.4	1.5	.1	.1						7.1	5.6
NNE	.3	1.3	2.4	2.8	.8	.1						7.4	11.1
N-E		.3	1.0	1.6	.6							5.2	11.8
ENE		.4	.9	3.3	1.7	.2						5.6	14.0
E	.7	.5	2.1	2.8	1.3							6.8	11.3
ESE	.1	.3	.7	1.1	1.3	.2						3.4	13.8
SE	.1	.4	1.2	3.8	.4	.5						6.2	12.5
SSE		.1	.5	1.7	.2							2.6	12.2
S	.5	1.3	2.5	3.4	1.2	.1						7.1	11.1
SSW	.2	.3	2.3	2.4	2.3	.5	.2					10.3	13.8
SW	.2	.3	.8	1.5	1.4	.4						5.7	14.0
WSW			1.4	2.7	.2							4.3	11.1
W	.7	1.3	2.1	2.5	1.2	.1						5.1	10.7
WNW	.2	1.3	2.2	3.5	.6							5.4	10.5
NW	.2	.5	.9	.5	.4							2.0	10.1
NNW	.3	.2	2.0	1.1	.1							4.4	8.9
VARBL													
CALM												.7	
	3.2	11.3	26.2	41.6	13.5	2.1	.2					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

216

DATA FROM 1977-1982



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION	74	10800MBZ DOWN UK	77-82	YEARS	MAY	MONTH
		STATION NAME				
		ALL WEATHER				1800-2000
		CLASS				HOURS (G.T.)

## CONCLUSION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.4	2.7	.6	.1							4.2	7.7
NNE		2.0	2.7	2.8	.3							7.8	9.3
NE	.3	1.2	2.7	3.0	.4							7.6	9.9
ENE	.2	.4	.8	2.1	.6							4.1	11.4
E		1.1	1.1	2.1	.6	.1						5.3	11.5
ESE	.1	1.1	1.1	1.2	.3							3.5	9.9
SE	.1	.8	1.7	1.6	.4							4.5	10.3
SSE	.3	.9	2.5	.9								4.5	6.1
S	.6	2.2	4.2	3.1	.4	.1						10.6	9.2
SSW	.7	1.3	4.1	5.2	1.2	.3						12.9	11.3
SW	.3	.6	2.2	2.3	.3	.1						5.9	10.4
WSW	.2	.5	1.7	1.4								4.2	8.8
W	.4	2.3	2.5	2.8	.4							5.5	9.3
WNW	.9	1.2	2.6	1.2	.6							2.5	9.7
NW	.3	.4	.6	.3	.1							2.3	7.8
NNW	.3	1.3	1.2	.9	.2							4.0	5.4
VARBL													
CALM												1.7	
	5.3	13.8	34.1	33.3	6.1	.7						17.0	9.5

TOTAL NUMBER OF OBSERVATIONS 932



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7400 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS  
ALL WEATHER CLASS  
CONDITION  
MAY MONTH  
100-2300 HOURS LEFT

SPEED KNTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.4	1.2	.5								2.9	7.0
NNE	.2	2.2	2.0	3.3	.2							7.8	9.6
NE	.4	1.7	1.9	3.4	.1							6.6	10.2
ENE	.7	.4	2.4	2.4	.2							6.1	9.8
E	1.5	.8	2.9	3.4	.3	.1						7.5	9.2
ESE	.1	1.1	1.2	.5	.2							3.2	6.7
SE	.4	1.7	1.2	.1								2.7	6.5
SSE	1.5	2.2	1.3	.3	.4							3.2	7.0
S	.9	3.1	6.0	1.2	.2							11.3	7.7
SSW	.5	1.5	3.9	2.2	.2	.1						6.5	6.8
SW	.1	.7	1.6	1.6	.2	.1						4.4	10.0
WSW	.2	2.1	1.6	.4								4.6	7.3
W	.3	2.9	2.5	2.8	.1							9.2	6.2
WNW	1.6	3.7	1.9	.9								8.1	6.0
NW	1.5	2.3	.8	.2								3.9	5.4
NNW	.5	1.7	.8	.3								2.6	6.4
VARBL													
CALM												4.2	
	13.1	27.0	53.4	22.5	2.3	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

918



2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 740 SUSCOMBE DOWN UK STATION NAME 73-82 YEARS MAY MONTH ALL HOURS (L & T) CLASS ALL CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.3	2.3	1.4	.7	.5						6.1	7.9
NNE	.2	1.3	2.1	3.0	.4	.1						7.1	10.2
NE	.2	.3	1.5	2.6	.5	.5						5.3	10.7
ENE	.3	.7	1.6	2.4	.9	.1						5.9	11.3
E	.5	1.1	3.5	7.0	.7	.1						8.4	13.1
ESE	.5	.7	1.0	1.0	.5	.2						3.5	11.1
SE	.3	.9	1.5	1.4	.2	.1						3.9	9.8
SSE	.4	1.1	1.3	.9	.2	.5						3.9	8.3
S	.7	2.1	3.4	2.2	.7	.1						9.2	9.2
SSW	.4	1.0	2.8	3.4	1.0	.3	.5					8.9	11.5
SW	.2	.4	1.6	2.0	.6	.1	.5					4.7	11.6
WSW	.2	1.0	1.5	1.4	.1	.1						4.2	9.5
W	.9	2.1	2.3	2.5	.2	.5						5.1	8.7
WNW	1.3	2.1	1.7	2.5	.4	.1						7.6	8.3
NW	1.2	1.2	1.5	.9	.1	.7						4.4	7.3
NNW	.8	1.2	1.4	.8	.1							4.2	7.4
VARBL													
CALM												3.3	
	8.5	19.5	29.5	33.9	6.6	1.1	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 7286



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7746 BOSSCOMBE DOWN UK STATION NAME 73-82 YEARS JUN MONTH 1000-1200 HOURS (LST)  
CLASS ALL WEATHER  
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	4.1	1.3	.3								7.3	5.5
NNE	.5	1.7	1.6	.6								4.4	7.3
NF	.2	.5	1.6	1.1								3.6	8.5
ENE	.5	.3	1.4	1.7								3.2	8.4
E	.9	1.3	2.6	2.2	.2							7.8	6.3
ESE	.2	.3	.5	.2								1.7	6.2
SE	.3	.6	.9	.1								1.9	6.5
SSE	.3	1.3	.9	.1								2.6	6.1
S	1.5	3.6	3.2	.5								8.7	6.2
SSW	.5	1.5	3.1	1.4	.3							6.8	8.8
SW	.6	1.5	3.8	.6								8.4	7.3
WSW	.7	1.7	2.2	.5								5.3	6.8
W	1.7	3.7	4.6	1.1								11.1	6.8
WNW	2.6	3.9	1.8	.5								8.8	5.3
NW	1.8	3.8	1.7	.2								7.6	5.2
NNW	.9	1.1	.8	.3	.1							3.3	6.4
VARBL													
CALM												9.6	
	14.9	32.0	32.0	11.8	.7							110.3	6.1

TOTAL NUMBER OF OBSERVATIONS

672



GLOBAL CLIMATOLOGY BRANCH  
GCMFSTAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	73-82	MONTH
SOSSCOMBE DOWN UK			
ALL WEATHER		1700-1800	
CLASS		HOURS OF SET	
CONDITION			

[illegible]TOTAL NUMBER OF OBSERVATIONS R 75



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1745	BOULCOMBE DOWN UP	73-82	JUN
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER		1600-1800	
CLASS		HOURS (LST)	
CONDITION			

[illegible]

TOTAL NUMBER OF OBSERVATIONS 668



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 0486 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS 1967-1170  
CLASS ALL WEATHER NORTH  
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.5	3.3	2.3								5.3	5.7
NNE	.5	.8	3.2	2.1								5.5	8.9
NE	.1	.7	1.6	1.3								3.7	9.5
ENE	.2	.3	1.8	2.8								5.2	10.2
E	.6	.7	2.1	3.5	.1							6.5	9.6
ESE	.2	.7	1.2	.7								2.3	8.5
SE	.7	1.2	1.5	1.0	.3							4.6	8.5
SSE	.2	.7	1.0	.2	.1							2.3	7.7
S	.1	.9	3.5	2.0	.2							6.7	9.5
SSW	.5	.5	2.9	3.1	.7							7.6	11.2
SW	.1	1.2	2.9	1.4	.2							5.8	9.7
WSW		1.5	3.1	1.4								5.3	8.6
W	1.0	2.7	4.8	6.2	.5							15.2	9.5
WNW	.7	2.7	1.7	2.9	.2	.1						7.6	9.5
NW	.5	1.7	2.1	2.4	.2							6.2	9.7
NNW		.9	1.6	1.0								3.6	8.9
VARBL												1.7	
CALM													
	5.8	17.5	38.4	33.8	2.7	.1						170.0	9.2

TOTAL NUMBER OF OBSERVATIONS

667



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 140 DISCOMBE DOWN UK STATION NAME 73-82 YEARS JUN MONTH 1992-1993 HOURS 15.5

ALL WEATHER

CLASS

STATION

SPEED KNOTS D/R	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N		2.2	2.8	1.5								6.5	8.3
NNE	.2	1.2	2.9	1.9								6.1	9.1
NE	.2	.5	1.9	.7	.1							3.4	8.7
ENE	.2	.5	3.2	3.2								6.1	9.3
E	.3	.7	3.1	1.7								5.1	9.2
ESE	.1	.9	.5	.8	.3							2.7	9.3
SE	.3	.3	.2	1.1	.2							3.2	10.6
SSE	.2	.8	.8	.6	.1							2.7	8.5
S	.3	1.3	2.8	2.9	.3	.7						7.9	10.2
SSW	.3	.7	1.6	3.4	.9	.7						7.6	13.7
SW	.1	.7	1.4	2.8	1.0	.1						5.1	12.1
WSW	.2	1.2	4.8	1.7	.1							5.7	9.3
W	.5	2.8	3.5	7.2	1.5							15.4	13.7
WNW	.5	1.3	2.9	3.4	.1	.1						6.2	10.1
NW	.2	.7	1.7	1.5	.1							4.3	9.4
NNW	.2	1.7	1.9	1.6								4.6	8.9
VARBL													
CALM												.6	
	4.2	16.9	35.9	36.3	5.7	1.2						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

863



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17450 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JUN MONTH 1900-1900 HOURS (LST) CLASS ALL WEATHER CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.5	3.6	1.7								7.3	7.5
NNE	.3	1.6	2.4	1.7	.3							6.4	6.3
NE		1.1	1.9	1.8								4.9	9.7
ENE	.1	.2	2.4	1.5								4.2	9.4
E		.9	1.3	1.7	.1							4.0	10.3
ESE	.1	.1	.7	.8	.3							2.1	11.0
SE	.2	.2	1.1	1.4								3.0	9.6
SSE	.5	.7	1.3	1.1								3.7	7.8
S	.6	.7	3.0	2.6	.5							7.3	9.9
SSW	.7	.8	2.3	4.5	1.5	.5						10.0	12.4
SW	.5	.2	1.6	3.2	.6	.1						6.2	11.5
WSW	.2	1.7	2.4	2.9	.2							7.4	9.4
W	.7	1.5	4.2	6.5	1.3	.2						14.4	11.1
WNW	.2	1.4	2.6	5.3	.5	.2						10.2	11.1
NW	.1	.6	1.7	1.7	.2							4.4	10.0
NNW	.1	1.1	1.4	1.6	.1							3.8	8.8
VARBL												.7	
CALM													
	4.7	15.6	33.9	33.5	5.6	1.0						100.0	10.1
TOTAL NUMBER OF OBSERVATIONS													873



GLOBAL CLIMATOLOGY BRANCH  
USAFCTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10460 USCOMBE DOWN UN STATION NAME 77-92 YEARS JUN MONTH  
CLASS ALL WEATHER 1800-2000 HOURS (LST)  
CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.7	2.3	.9								6.3	7.3
NNE	.2	1.7	2.3	1.1	.5							5.6	8.4
NE	.3	1.1	3.1	1.5								5.6	8.5
ENE		.5	1.3	.9								2.7	9.2
E	.6	.5	1.3	2.2	.2							4.7	9.4
ESE		.7	1.1	.6								1.7	9.7
SE	.2	.5	.9	.5								2.4	8.5
SSE	.2	1.7	1.1	.1								2.5	7.5
S	.9	1.1	5.1	1.8								8.9	8.1
SSW	.5	1.6	4.2	2.6	.6	.1						8.6	9.4
SW	.1	.2	2.8	2.5	.2	.3						8.3	11.1
WSW	.3	1.3	2.7	1.6								5.5	8.4
W	.8	3.3	6.3	4.4	.3							15.1	6.9
WNW	.8	2.4	3.8	4.6	.1	.1						1.7	9.2
NW	.3	1.4	1.9	1.6	.2							5.5	8.9
NNW	.6	.9	1.1	.6								3.2	7.1
VARBL													
CALM												1.0	
	5.4	21.2	41.9	27.0	1.9	.6						10.3	8.7

TOTAL NUMBER OF OBSERVATIONS 673



JOINT CLIMATEOLOGY BRANCH  
C-4512AC  
ALL WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

746	0000000000	DOWN UN	73-82	001
STATION		STATION NAME	YEARS	MONTH
		ALL WEATHER		100-2000
		CLASS		MOORE 100-2000
		CONDITION		

[illegible]

TOTAL NUMBER OF OBSERVATIONS 571



GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 345 BOSCOMBE DOWN JF  
 STATION NAME

73-82  
 YEARS

JUN  
 MONTH

ALL WEATHER  
 CLASS

ALL  
 MONTH

CONDITION

SPEED KNOTS C.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.3	2.6	1.2	.1							7.2	7.1
NNE	.4	1.4	2.3	1.2	.1							3.3	8.2
NE	.3	.9	2.2	1.5	.5							4.3	6.2
ENE	.3	.5	1.7	1.6	.1							4.1	5.3
E	.7	1.3	2.4	1.7	.2							6.1	8.6
ESE	.3	.7	.8	.5	.1							2.4	7.7
SE	.5	.7	1.5	.7	.1							2.9	5.1
SSE	.3	.3	.9	.4	.0							2.5	7.1
S	.7	2.2	3.8	1.6	.1							5.5	5.0
SSW	.4	1.5	2.8	2.5	.6	.3						7.5	10.3
SW	.3	1.5	2.2	1.6	.3	.1						5.5	7.4
WSW	.4	2.7	2.3	1.4	.5							5.5	8.1
W	1.1	3.1	4.8	3.8	.5	.3						13.3	5.8
WNW	1.2	2.8	2.4	2.4	.2	.1						7.2	8.1
NW	1.1	2.1	1.6	1.1	.1							5.5	7.1
NNW	.6	1.2	1.4	.7	.1							4.3	7.4
VARBL												4.7	
CALM													
	9.4	24.4	35.5	22.3	2.3	.4						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

967



CLIMATE CLIMATOLOGY BRANCH  
 U.S. AIR FORCE  
 1. WEATHER SERVICE AFAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION NAME: AIRCRAFT DOWN UP

77-80

STATION

STATION NAME

YEARS

ALL WEATHER

CLASS

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	3.5	1.7									5.4	5.4
NNE		1.7	1.0	.3								1.7	5.4
NE	.7	1.1	2.0	.3								4.4	7.3
ENE	.3	.7	.8	1.7	.1							2.2	9.3
E	.1	1.7	1.7	1.5	.5	.1						4.7	10.5
ESE	.7	.7	.4									1.5	5.4
SE	.2	.7	.7									1.2	4.7
SSE	.7	.4										.3	5.4
S	.9	2.0	3.5	.8								7.1	7.3
SSW		1.7	3.3	1.8								7.0	8.5
SW		1.7	3.6	1.1	.2							1.5	8.5
WSW	1.3	5.5	4.1	.9								6.2	6.7
W	1.7	6.4	4.6	.3								13.7	6.1
WNW	1.6	5.7	2.2	.2								11.7	5.5
NW	1.7	7.0	1.5		.1							1.5	5.5
NNW	1.7	5.5	1.3	.1								4.7	5.5
VARBL													
CALM												10.5	
	13.0	34.7	20.1	7.4	.7	.1						20.1	6.0

TOTAL NUMBER OF OBSERVATIONS

896

REMARKS: 1. WIND DIRECTION AND SPEED ARE IN DEGREES AND KNOTS  
 2. WIND DIRECTION IS THE DIRECTION FROM WHICH THE WIND BLOWS



NATIONAL CLIMATOLOGY BRANCH  
USAFETAC  
SURFACE WEATHER DATA

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME  
USAFETAC DOWRY OK

77-80

JUL  
MONTH

ALL WEATHER  
CLASS

1700-1800  
HOURS U.S.T.

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1	.1								3.2	3.5
NNE	.1	1.4	1.2	.6								3.7	6.6
NW	.3	.1	1.3	.6	.1							3.3	7.1
ENE	.7	.6	1.1	.4								2.9	6.5
E	.7	2.3	1.8	1.4	.1							3.9	7.3
ESE	.7	.1	.1									1.2	1.8
SE	.1	.1										.0	4.8
SSE	.7	.1	.6	.2								2.2	6.3
S	.1	2.7	2.1	.3	.1							4.1	6.5
SSW	.9	1.1	2.7	.3								4.5	1.3
W	.7	1.1	2.7	1.4								4.6	6.8
WSW	.8	2.9	4.1	.9								4.5	6.8
W	1.5	4.4	4.7	.8								11.4	6.6
WNW	3.7	8.3	1.7	.2								12.1	4.6
NW	3.1	4.1	1.4		.1							5.8	4.7
NNW	1.2	1.5	1.1		.2							4.7	5.8
VARBL													
CALM												11.0	
	17.5	33.9	28.7	2.1	.7							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

477



BUHAL CLIMATOLOGY BRANCH  
 DIRECTOR  
 AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION	00000000 DOWN UK	73-81	JUL
STATION NAME		YEARS	MONTH
	ALL WEATHER		500-1800
	CLASS		HOURS IN SET
CONDITION			

SPEED KNOTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.3	2.8	.7								6.9	6.7
NNE	.2	1.5	1.6	.7								4.3	7.5
NE	.3	.7	2.4	1.5		.1						5.5	5.5
ENE	.7	.6	.7	1.5	.3							3.4	5.4
E	.7	1.5	2.2	1.5	.1							5.9	8.1
ESE	.3	.3	.7									1.2	6.2
SE		.3	.1	.1								.5	6.4
SSE	.6	.3	.2	.2								2.3	5.3
S	.7	1.7	2.7	.9	.1	.1						6.2	7.2
SSW	.6	1.2	2.2	2.4	.3							6.7	9.3
SW		.9	2.6	2.8	.1							6.5	10.1
WSW		1.6	4.2	1.8								8.6	8.1
W	1.4	3.7	4.8	1.9								11.8	7.3
WNW	3.6	3.1	3.3	1.7	.1							11.5	6.2
NW	3.8	2.6	1.1	.8								7.5	5.2
NNW	1.4	1.3	2.5	1.4	.1							6.5	7.2
VARBL													
CALM												7.5	
	14.3	24.7	33.4	19.1	1.2	.2						175.3	7.

TOTAL NUMBER OF OBSERVATIONS 361



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 340 00500MB5 DOWN UN STATION NAME 77-82 YEARS JUL NORTH 1900-1900 HOURS U.T.C.  
ALL WEATHER CLASS  
CONDITION

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	3.0	4.2	1.7								4.7	7.7
NNE		1.4	1.3	1.6								4.5	6.8
NE	.2	.3	1.9	1.3								2.8	9.3
ENE	.4	.5	1.7	1.4	.6	.2						5.1	10.3
E	.6	1.8	2.1	.8								5.2	7.5
ESE	.4	.7	1.5	.3								2.7	7.0
SE	.2	.3	.1	.6								1.2	6.5
SSE	.4	.2	.5	.4								1.7	7.4
S	.7	.9	2.1	1.8	.1							5.6	9.0
SSW	.6	.7	2.2	2.8	.8							7.0	10.6
SW	.6	.7	2.2	3.5	.3							6.9	10.1
WSW	.4	1.4	3.5	3.2	.2							8.8	9.5
W	1.0	3.3	6.6	6.5								16.6	9.1
WNW	.6	1.9	3.8	2.4	.3							9.5	7.1
NW	.2	1.3	2.2	1.8	.1							5.7	9.2
NNW	.3	.9	2.5	1.7	.1	.1						5.1	6.5
VARBL													
CALM												1.0	
	7.5	19.3	37.5	31.3	2.6	.3						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 896



CLERICAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 346 BOYCOMBE DOWN DR STATION NAME 73-32 YEARS JUL MONTH 1950-1950 HOURS 1157  
ALL WEATHER CLASS  
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.3	3.2	1.5								7.5	7.8
NNE	.3	1.3	2.1	.9								4.5	8.3
NE		.5	1.5	2.1	.2							4.2	10.7
ENE	.2	.5	1.5	1.8	.2							4.2	10.6
E	.1	1.1	2.4	1.5	.1							4.5	8.7
ESE	.3	.5	.3	.6	.1							1.6	8.6
SE	.5	.2	.3	.8								1.8	8.6
SSE	.6	.1	.3	.6								1.5	7.3
S	.5	.5	2.2	2.1	.2							8.1	9.2
SSW	.5	.3	1.4	3.0	1.8							7.0	12.3
SW	.1	.1	1.1	4.7	.9							7.0	12.0
WSW	.5	.7	3.2	2.4	.5							7.2	9.8
W	.7	3.1	7.5	9.6	.6							21.5	10.1
WNW	.5	1.5	3.3	2.9	.5							8.6	9.5
NW	.1	1.5	2.5	1.0								5.2	8.4
NNW	.2	1.6	1.3	2.5	.3							6.0	9.5
VARBL												.9	
CALM													
	6.3	15.5	34.2	37.5	5.5							100.1	9.7

TOTAL NUMBER OF OBSERVATIONS 871



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17401 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JUL MONTH 1500-1700 HOURS LST 1  
ALL WEATHER CLASS  
CONDITION

SPEED (KNOTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.4	3.8	1.8	.1							7.2	8.9
NNE	.1	.7	2.2	.8								3.8	6.4
NE	.2	.6	1.4	2.4								4.7	10.1
ENE	.2	.7	1.2	1.8	.2							3.7	10.7
E	.7	.4	.9	1.3	.1							3.4	8.8
ESE	.1	.2	.7	.6								1.5	8.9
SE	.7	.1	.6	.1								1.0	6.6
SSE		.6	1.6	.9								3.3	9.3
S	.7	.6	3.0	3.1								7.3	9.4
SSW	.2	.4	1.7	3.0	1.9							9.2	13.2
SW	.3	.4	.8	3.0	1.7	.1						6.3	13.3
WSW	.1	.9	2.8	2.7								6.4	9.6
W	.9	1.6	5.9	12.4	1.7							21.8	11.3
WNW	.3	1.6	3.2	5.0	.2							10.3	10.1
NW		1.1	1.6	1.4								4.1	9.1
NNW	.2	1.2	3.0	.7	.2							5.3	8.3
VARBL												.9	
CALM													
	4.4	12.4	34.2	43.0	5.4	.1						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 921



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1437 BOSCOMBE DOWN UK

73-82

JUL  
MONTH

STATION

STATION NAME

YEARS

ALL WEATHER

CLASS

1800-1800

HOURLY OBS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-46	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.5	1.5	1.4								5.1	7.5
NNE	.5	1.5	2.3	.7								4.2	7.9
NE	.2	1.5	2.8	1.1								5.6	8.5
ENE	.1	.3	1.2	.5	.1							2.1	6.9
E	.2	.7	1.5	1.1	.7							3.3	6.4
ESE	.2	.5										.7	2.8
SE		.7	.3									.8	2.2
SSE	.1	1.5	1.2	.2								2.6	7.2
S	.3	1.5	3.2	1.2								5.2	8.1
SSW		.7	3.7	4.2	.7							7.3	11.3
SW	.3	.8	2.5	2.7	1.2							7.6	11.1
WSW	.2	1.4	1.8	1.8	.1							5.3	8.6
W	.9	4.1	9.6	7.6	.3							22.5	9.2
WNW	.7	3.1	4.2	2.9	.1							11.7	8.2
NW	.2	1.4	3.1	.7								5.3	6.9
NNW		1.4	1.2	.5								3.1	7.4
VARBL													
CALM												1.8	
	4.3	21.9	42.5	25.6	2.9							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

685



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 73-82 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JUL MONTH 2100-2300 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.2	2.5	2.1	.2								5.9
NNE	.4	1.7	1.2	.1								3.5
NE	.1	1.2	2.5	1.3								5.6
ENE	.2	.7	1.3	.3	.1							2.7
E	.3	.5	1.6	.9	.2							3.6
ESE	.2	.4	.7									1.3
SE	.7	.4	.4									4.6
SSE	.1	1.5	.6									1.7
S	.9	2.6	3.5	.9								7.8
SSW	.9	1.2	3.9	1.8	.2							7.0
SW	.3	1.5	3.4	1.7	.4							7.6
WSW	.6	3.5	2.5	.4								7.2
W	1.9	9.3	6.7	1.3								10.3
WNW	1.5	7.2	3.7									12.3
NW	.7	2.4	1.2									4.3
NNW	.6	1.1	1.0	.1								3.0
VARBL												5.7
CALM												
	10.5	36.8	36.7	9.2	1.0							100.0

TOTAL NUMBER OF OBSERVATIONS 893



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/WHAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 107401 LOSCOMBE DOWN UK STATION NAME 73-82 YEARS  
CLASS ALL WEATHER  
CONDITION

JUL  
MONTH  
ALL  
HOURS 1817

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.6	2.6	.9	.5							6.5	7.1
NNE	.3	1.3	1.6	.7	.5							3.9	7.6
NE	.3	.5	2.1	1.3	.5	.5						4.6	8.8
ENE	.3	.5	1.2	1.2	.2	.5						3.3	8.8
E	.4	1.2	1.8	1.1	.2	.5						4.7	8.8
ESE	.3	.5	.5	.2	.5							1.5	6.7
SE	.3	.3	.3	.2								1.0	5.5
SSE	.3	.5	.7	.3								1.9	7.5
S	.7	1.6	3.5	1.4	.1	.5						6.8	8.2
SSW	.5	.5	2.6	2.9	.7							7.6	10.4
SW	.2	.9	2.4	2.6	.6	.5						6.8	10.5
WSW	.5	1.0	3.2	1.7	.1							7.4	8.1
W	1.2	4.3	6.3	5.7	.2							17.1	8.6
WNW	1.8	3.8	3.1	1.9	.2							10.8	7.1
NW	1.2	2.2	1.8	.7	.5							5.9	6.6
NNW	.7	1.5	1.6	.9	.1	.5						4.8	7.4
VARBL													
CALM												4.9	
	9.8	24.9	34.8	23.0	2.5	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 7128



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

STATION NAME: OSKOMBE DOWN UK  
CLASS: ALL WEATHER  
MONTH: 000-000  
HOURS: 0000

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	2.1	.2								5.6	5.9
NNE	.8	1.6	.3	.1								2.9	5.2
NE	.1	.7	.8	.5								2.1	5.2
ENE	.6	.8	1.2	1.1								4.3	7.9
E	.6	2.1	4.7	7.4								9.7	6.3
ESE	.7	.9	.3									1.9	4.5
SE	.3	.3	.3									1.3	5.1
SSE	.2	1.1	.6									1.9	5.6
S	1.0	1.8	3.8	1.0	.2	.1						3.0	7.7
SSW	.3	1.3	2.2	2.5	.2	.2						6.7	9.2
SW	.9	.7	1.9	1.3	.1	.1						5.2	9.1
WSW	1.1	2.5	2.2	.8	.1							6.7	6.8
W	1.3	2.4	3.4	1.4								8.4	7.1
WNW	4.6	4.8	1.0	.3								10.7	4.4
NW	3.1	2.5	1.1	.3								7.1	4.4
NNW	.7	1.6	1.1	.1								3.5	5.9
VARBL													
CALM												14.1	
	17.4	27.3	27.7	12.1	.7	.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 877



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 7740 BOSCOMBE DOWN UP STATION NAME 73-82 YEARS MONTH AUG  
CLASS ALL WEATHER MONTH 000  
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.3	1.1	.2								4.7	5.6
NNE	.2	.5	.6	.4								2.1	7.1
NE	.3	.6	1.1	.2								2.2	6.9
ENE	.9	.5	2.2	.3								4.3	6.1
E	.7	2.7	3.5	2.9								2.7	6.5
ESE	.3	.5	.4	.1	.1							1.0	5.5
SE	1.0	.3										1.6	4.1
SSE	.7	.5	.4									2.0	5.0
S	.6	2.1	4.3	.9	.6	.1						4.0	6.5
SSW	.3	1.1	1.8	1.2	.4	.2						6.1	10.3
SW	.6	.4	1.6	1.0	.1							3.7	6.5
WSW	.9	2.3	2.7	.6	.1							6.5	6.8
W	1.6	4.3	2.1	1.2	.3							6.6	6.8
WNW	3.4	3.1	.9	.2								7.6	4.3
NW	4.7	2.4	.3	.6								6.0	4.0
NNW	2.0	2.5	1.0	.3								5.9	5.0
VARBL													
CALM												16.1	
	19.0	27.5	24.1	11.3	1.7	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 503



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 1407 OS COMBE DOWN UK STATION NAME 73-82 YEARS MONTH 6-10-1000 HOURS LST  
ALL WEATHER CLASS  
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.5	2.7	.3								7.9	5.9
NNE	.2	1.5	.7	.9								2.8	6.2
NE	.5	.9	.6	.7								2.4	7.9
ENE	1.6	.6	2.3	1.3								5.1	8.1
E	.6	1.7	3.6	3.5								9.6	8.0
ESE	1.1	.7	.3	.2								2.8	4.7
SE	.3	.7	.2	.3								1.5	6.6
SSE	.7	.5	.6									1.3	5.3
S	1.3	2.2	2.2	.8								8.4	6.6
SSW	.5	1.1	2.9	2.7	.3	.2	.1					7.9	10.6
SW	.3	.5	2.2	1.0	.6	.3						4.5	10.8
WSW	.8	2.2	2.4	.9								6.3	7.2
W	2.7	3.9	3.4	.6								10.6	5.8
WNW	4.9	2.5	1.3	1.1								9.8	4.9
NW	3.5	2.4	1.5	.7								8.1	5.1
NNW	1.4	1.9	.7	.3								4.3	5.5
VARBL													
CALM												8.7	
	20.5	26.2	27.4	15.6	.9	.6	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 878



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 3742 ROSSCOMBE DOWN UK STATION NAME 73-82 YEARS AU MONTH 7-10-1100 HOURS LT & T

ALL WEATHER CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	3.6	1.0								7.1	7.5
NNE	.2	.7	1.9	1.0								4.1	6.5
NE	.1	.7	.9	.7	.1							2.4	5.7
NNE	.7	.7	2.1	3.4	.1							6.1	9.3
E	.7	2.3	3.6	2.8	.1							9.4	8.4
ESE	.7	.7	1.3	1.3	.2							3.9	9.0
SE	.1	.4	1.0	.4	.4							2.4	10.4
SSE	.4	.7	.4	.4								2.0	7.5
S	.4	.5	2.8	.9	.1							5.1	8.3
SSW	.5	.3	2.6	2.1	1.3	.7						7.1	11.4
SW	.3	.7	2.0	1.9	.7	.1	.2					5.9	11.6
WSW	.3	1.6	3.4	2.0	.1							7.9	8.9
W	1.1	2.9	4.7	3.6	.2	.1						12.5	8.7
WNW	1.0	3.7	3.7	3.9	.1							11.7	8.6
NW	.8	2.5	1.1	1.1								5.5	6.9
NNW	.5	1.8	1.6	1.4								5.5	7.5
VARBL													
CALM												1.6	
	3.5	22.2	36.5	27.0	3.6	.4	.2					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 901



2

GLOBAL CLIMATOLOGY BRANCH  
UCAPETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7465 SOURCE DOWN UK STATION NAME 73-82  
CLASS ALL WEATHER  
CONDITION  
ELEVATION 1000-1400  
HOURS 1-24

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.5	3.2	.6								4.7	7.2
NNE	.1	.2	.6	1.2								2.7	9.5
NE		.2	.9	.3	.1							2.2	10.3
ENE		.3	2.4	1.1								4.3	10.1
E	.5	.7	2.4	3.1	.4							7.1	10.5
ESE	.3	1.1	1.3	.3	.1							4.1	8.7
SE	.3	.5	1.2	1.3	.1							3.7	9.4
SSE	.6	.7	1.7	1.7								3.9	8.1
S	.2	1.1	2.1	3.2	.3							6.9	10.4
SSW	.2	1.3	1.5	2.6	1.6	.4						7.7	12.4
SW	.1	.6	1.5	3.4	1.2	.3						7.1	13.5
WSW	.7	1.2	2.6	2.4	.2							7.7	6.8
W	.2	1.7	5.4	6.8	.4	.1						14.7	10.4
WNW	.4	1.6	3.1	3.0	.6	.1						7.9	9.5
NW	.3	1.2	3.1	1.2	.1	.2						6.2	8.9
NNW	.4	1.8	2.8	1.0								5.2	7.7
VARBL													
CALM												.9	
	5.0	19.5	35.6	32.6	5.0	1.2						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 893

UCAPETAC FORM 10-64 (Rev. 10-64) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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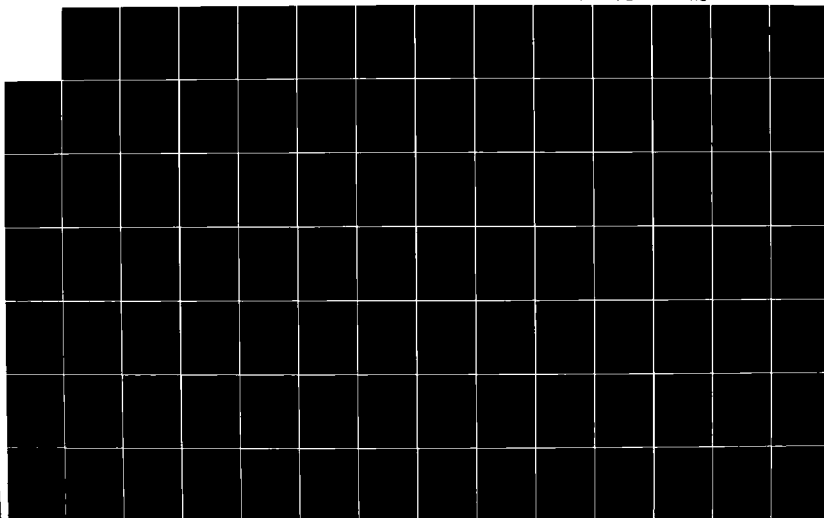
BOSCOMBE DOWN UNITED KINGDOM REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER D..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 83  
USAFETAC/DS-83/006 SBI-AD-E850 370

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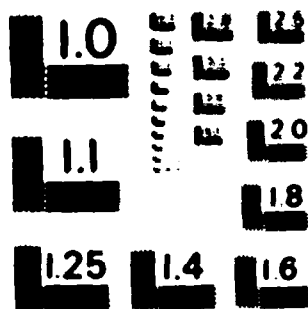
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2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
5740

STATION NAME  
BOSCOMBE DOWN UK

YEARS  
73-82

MONTH  
AUG

ALL WEATHER

1500-1700  
HOURS (LST)

CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.8	1.2	.5								4.3	6.4
NNE	.3	1.5	1.7	.6	.1							4.2	7.6
NE	.3	1.2	1.7	.3								3.6	7.4
NNE	.3	.3	1.5	1.8								4.3	9.4
E	.6	.8	2.4	1.7	.1							5.5	8.7
ESE	.7	.2	.6	1.1	.1							2.7	8.5
SE	.2	.2	.7	.7								1.8	9.1
SSE	.2	.3	1.5	2.5	.1							4.6	10.2
S	.3	1.5	2.7	2.5	.2							6.8	9.8
SSW	.1	.8	2.0	4.9	1.4	.1						9.3	12.6
SW	.3	.8	2.3	4.3	1.5	.5						9.6	12.3
WSW		1.4	1.8	1.9	.1							5.2	9.3
W	.3	1.7	4.9	7.0	1.2							15.1	10.8
WNW	.6	1.5	2.8	3.4	.7							8.9	10.1
NW	.7	2.3	2.9	1.0	.5							7.3	8.1
NNW	.7	2.3	2.5	.6	.1							6.1	7.3
VARBL												1.0	
CALM													
	6.5	18.1	33.1	34.7	6.1	.6						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

886



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

037460

BOSCOMBE DOWN UK

73-82

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.3	1.4	.7								5.9	6.5
NNE	.5	1.2	.3	.1								2.2	5.4
NE	.1	1.1	1.8	.6								3.6	7.7
ENE	.5	1.5	1.9	.2								4.1	6.6
E	.9	1.6	1.6	1.4								5.5	7.4
ESE	.1	.3	.7	.2								1.4	7.5
SE	.7	.3	1.0	.5								2.5	6.8
SSE	.2	1.5	1.0	.5		.1						3.3	7.3
S	1.2	2.8	5.1	1.0	.1	.1						10.5	7.4
SSW	.1	1.7	5.0	4.2	.9							11.9	10.3
SW	.1	1.1	2.5	2.6	.5	.2	.1					7.2	11.3
WSW		3.5	2.3	.9								6.7	7.3
W	.5	2.8	5.1	4.3	.1							12.8	9.0
WNW	.8	3.4	3.2	2.8	.1							10.3	8.2
NW	.3	2.7	2.2	1.1								6.4	7.5
NNW	.7	1.1	.5	.3								2.6	5.8
VARBL													
CALM												3.2	
	7.3	30.2	35.6	21.5	1.7	.5	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

880



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

037467  
STATION

BOSCOMBE DOWN UK  
STATION NAME

73-82  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
DOORS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	1.3	.3								5.0	5.9
NNE	.3	.8	.4	.1								1.7	5.6
NE	.1	.6	.9	.8								2.4	9.0
ENE	.2	.8	1.7	.6								3.2	7.8
E	.7	2.9	2.7	2.4								8.6	8.2
ESE	.2	.9	.6	.1	.1							1.9	6.8
SE	.2	.9	.3	.2								1.7	6.1
SSE	.7	1.3	.6									2.6	5.2
S	.9	3.6	3.9	.8	.1							9.3	6.9
SSW	.6	2.2	3.6	2.8	.2		.1					9.5	9.0
SW	.6	1.5	2.9	1.7	.4	.1	.2					7.4	9.6
WSW	.9	3.0	2.8	.7								7.4	6.5
W	2.4	3.8	3.4	2.0								11.5	6.7
WNW	3.8	5.5	2.2	.6								12.1	5.0
NW	1.8	2.9	1.0	.3								6.0	5.1
NNW	.9	2.0	.7									3.6	5.2
VARBL													
CALM												6.0	
	14.9	35.4	29.0	13.3	.9	.1	.3					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

893



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

37467 BOSCOMBE DOWN UK  
STATION

73-82

ALL WEATHER

80E  
80W  
ALL  
80E-80W

SPEED KNTS/ DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	55-64	%	Avg Wind Speed
N	.8	2.5	2.1	.5								6.8	6.8
NNE	.3	1.1	.8	.6	.0							2.8	7.3
NE	.2	.8	1.1	.3	.5							2.6	6.5
ENE	.5	.8	2.0	1.1	.5							6.8	6.5
E	.7	1.9	3.1	2.5	.1							6.2	6.5
ESE	.5	.7	.7	.6	.1							2.5	7.4
SE	.4	.5	.7	.6	.1							2.1	7.7
SSE	.4	.6	.8	.5	.5							2.7	7.6
S	.7	1.9	3.3	1.4	.2	.5						7.6	8.1
SSW	.3	1.2	2.7	3.0	.8	.2	.5					8.3	10.0
SW	.4	.8	2.1	2.1	.6	.7	.1					6.4	11.1
WSW	.6	2.3	2.5	1.3	.1							6.8	7.7
W	1.3	2.9	4.0	3.4	.3	.5						11.0	8.6
WNW	2.4	3.2	2.3	1.8	.2	.0						9.9	6.6
NW	1.9	2.4	1.6	.8	.1	.5						6.8	6.2
NNW	.9	1.9	1.4	.5	.0							6.7	6.6
VARBL													
CALM												6.4	
	12.4	25.8	31.1	21.0	2.6	.6	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

7111



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS.)

78-02

ALL INFORMATION

**SECRET**

DATE	TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																
10	0000	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8	20.0	20.2	20.4	20.6	20.8	21.0	21.2	21.4	21.6	21.8	22.0	22.2	22.4	22.6	22.8	23.0	23.2	23.4	23.6	23.8	24.0	24.2	24.4	24.6	24.8	25.0	25.2	25.4	25.6	25.8	26.0	26.2	26.4	26.6	26.8	27.0	27.2	27.4	27.6	27.8	28.0	28.2	28.4	28.6	28.8	29.0	29.2	29.4	29.6	29.8	30.0	30.2	30.4	30.6	30.8	31.0	31.2	31.4	31.6	31.8	32.0	32.2	32.4	32.6	32.8	33.0	33.2	33.4	33.6	33.8	34.0	34.2	34.4	34.6	34.8	35.0	35.2	35.4	35.6	35.8	36.0	36.2	36.4	36.6	36.8	37.0	37.2	37.4	37.6	37.8	38.0	38.2	38.4	38.6	38.8	39.0	39.2	39.4	39.6	39.8	40.0	40.2	40.4	40.6	40.8	41.0	41.2	41.4	41.6	41.8	42.0	42.2	42.4	42.6	42.8	43.0	43.2	43.4	43.6	43.8	44.0	44.2	44.4	44.6	44.8	45.0	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.0	47.2	47.4	47.6	47.8	48.0	48.2	48.4	48.6	48.8	49.0	49.2	49.4	49.6	49.8	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.0	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.4	58.6	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.2	60.4	60.6	60.8	61.0	61.2	61.4	61.6	61.8	62.0	62.2	62.4	62.6	62.8	63.0	63.2	63.4	63.6	63.8	64.0	64.2	64.4	64.6	64.8	65.0	65.2	65.4	65.6	65.8	66.0	66.2	66.4	66.6	66.8	67.0	67.2	67.4	67.6	67.8	68.0	68.2	68.4	68.6	68.8	69.0	69.2	69.4	69.6	69.8	70.0	70.2	70.4	70.6	70.8	71.0	71.2	71.4	71.6	71.8	72.0	72.2	72.4	72.6	72.8	73.0	73.2	73.4	73.6	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8	76.0	76.2	76.4	76.6	76.8	77.0	77.2	77.4	77.6	77.8	78.0	78.2	78.4	78.6	78.8	79.0	79.2	79.4	79.6	79.8	80.0	80.2	80.4	80.6	80.8	81.0	81.2	81.4	81.6	81.8	82.0	82.2	82.4	82.6	82.8	83.0	83.2	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.2	85.4	85.6	85.8	86.0	86.2	86.4	86.6	86.8	87.0	87.2	87.4	87.6	87.8	88.0	88.2	88.4	88.6	88.8	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0	95.2	95.4	95.6	95.8	96.0	96.2	96.4	96.6	96.8	97.0	97.2	97.4	97.6	97.8	98.0	98.2	98.4	98.6	98.8	99.0	99.2	99.4	99.6	99.8	100.0
10	0000	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8	20.0	20.2	20.4	20.6	20.8	21.0	21.2	21.4	21.6	21.8	22.0	22.2	22.4	22.6	22.8	23.0	23.2	23.4	23.6	23.8	24.0	24.2	24.4	24.6	24.8	25.0	25.2	25.4	25.6	25.8	26.0	26.2	26.4	26.6	26.8	27.0	27.2	27.4	27.6	27.8	28.0	28.2	28.4	28.6	28.8	29.0	29.2	29.4	29.6	29.8	30.0	30.2	30.4	30.6	30.8	31.0	31.2	31.4	31.6	31.8	32.0	32.2	32.4	32.6	32.8	33.0	33.2	33.4	33.6	33.8	34.0	34.2	34.4	34.6	34.8	35.0	35.2	35.4	35.6	35.8	36.0	36.2	36.4	36.6	36.8	37.0	37.2	37.4	37.6	37.8	38.0	38.2	38.4	38.6	38.8	39.0	39.2	39.4	39.6	39.8	40.0	40.2	40.4	40.6	40.8	41.0	41.2	41.4	41.6	41.8	42.0	42.2	42.4	42.6	42.8	43.0	43.2	43.4	43.6	43.8	44.0	44.2	44.4	44.6	44.8	45.0	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.0	47.2	47.4	47.6	47.8	48.0	48.2	48.4	48.6	48.8	49.0	49.2	49.4	49.6	49.8	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.0	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.4	58.6	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.2	60.4	60.6	60.8	61.0	61.2	61.4	61.6	61.8	62.0	62.2	62.4	62.6	62.8	63.0	63.2	63.4	63.6	63.8	64.0	64.2	64.4	64.6	64.8	65.0	65.2	65.4	65.6	65.8	66.0	66.2	66.4	66.6	66.8	67.0	67.2	67.4	67.6	67.8	68.0	68.2	68.4	68.6	68.8	69.0	69.2	69.4	69.6	69.8	70.0	70.2	70.4	70.6	70.8	71.0	71.2	71.4	71.6	71.8	72.0	72.2	72.4	72.6	72.8	73.0	73.2	73.4	73.6	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8	76.0	76.2	76.4	76.6	76.8	77.0	77.2	77.4	77.6	77.8	78.0	78.2	78.4	78.6	78.8	79.0	79.2	79.4	79.6	79.8	80.0	80.2	80.4	80.6	80.8	81.0	81.2	81.4	81.6	81.8	82.0	82.2	82.4	82.6	82.8	83.0	83.2	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.2	85.4	85.6	85.8	86.0	86.2	86.4	86.6	86.8	87.0	87.2	87.4	87.6	87.8	88.0	88.2	88.4	88.6	88.8	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0	95.2	95.4	95.6	95.8	96.0	96.2	96.4	96.6	96.8	97.0	97.2	97.4	97.6	97.8	98.0	98.2	98.4	98.6	98.8	99.0	99.2	99.4	99.6	99.8	100.0
10	0000	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8	20.0	20.2	20.4	20.6	20.8	21.0	21.2	21.4	21.6	21.8	22.0	22.2	22.4	22.6	22.8	23.0	23.2	23.4	23.6	23.8	24.0	24.2	24.4	24.6	24.8	25.0	25.2	25.4	25.6	25.8	26.0	26.2	26.4	26.6	26.8	27.0	27.2	27.4	27.6	27.8	28.0	28.2	28.4	28.6	28.8	29.0	29.2	29.4	29.6	29.8	30.0	30.2	30.4	30.6	30.8	31.0	31.2	31.4	31.6	31.8	32.0	32.2	32.4	32.6	32.8	33.0	33.2	33.4	33.6	33.8	34.0	34.2	34.4	34.6	34.8	35.0	35.2	35.4	35.6	35.8	36.0	36.2	36.4	36.6	36.8	37.0	37.2	37.4	37.6	37.8	38.0	38.2	38.4	38.6	38.8	39.0	39.2	39.4	39.6	39.8	40.0	40.2	40.4	40.6	40.8	41.0	41.2	41.4	41.6	41.8	42.0	42.2	42.4	42.6	42.8	43.0	43.2	43.4	43.6	43.8	44.0	44.2	44.4	44.6	44.8	45.0	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.0	47.2	47.4	47.6	47.8	48.0	48.2	48.4	48.6	48.8	49.0	49.2	49.4	49.6	49.8	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.0	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.4	58.6	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.2	60.4	60.6	60.8	61.0	61.2	61.4</																																																																																																																																																																																																	

TOTAL NUMBER OF OBSERVATIONS 663



2 JOURNAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
FROM HOURLY OBSERVATIONS

1961 20 COMB DOWN UP  
STATION NAME

73-02

ALL WEATHER  
TYPE

SLP  
0000  
0100-0500  
0600-1100

WIND SPEED D.F.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	%	MEAN WIND SPEED
N	1.2	7.3	1.3	.7	.7	.1																			5.7	6.8
NNE	.3	.1	.4	.7																					1.2	7.9
NW	.7	.7	.6																						1.2	5.6
ENE	.6	.5	.4	.2																					1.0	5.9
E	.7	1.7	3.7	1.6																					6.0	6.3
ESE	.6	1.5	1.1	.9																					6.2	7.8
SE	.6	1.7	1.7	.3																					5.0	6.6
SSE	.3	1.1	2.5	.9																					4.6	6.0
S	1.1	3.6	5.3	7.5	.5	.1																			12.7	8.1
SSW	.8	1.4	3.2	7.5	.9	.7																			9.2	10.0
SW	.7	.9	3.6	2.3	.7																				7.5	9.1
WSW	.8	2.7	3.5	7.8	.1																				9.4	8.9
W	1.7	2.7	1.6	.8	.1	.1																			6.8	6.5
WNW	1.9	2.7	.7	.8		.5																			5.7	6.6
NW	2.3	1.6	.5	.6	.1																				5.2	5.3
NNW	1.6	1.1	.6	.3	.1																				3.5	5.1
VARIABLE																									11.1	
CALM																										
	15.3	23.2	30.6	16.6	2.3	.9																			100.2	6.9

TOTAL NUMBER OF OBSERVATIONS

881

USAFETAC FROM NAME DATA PREVIOUSLY NOTED IN THIS REPORT ARE IDENTICAL



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
07706

STATION NAME  
BOSCOMBE DOWN UK

YEARS  
73-82

MONTH  
SEP

CLASS  
ALL WEATHER

HOURLY (LST)  
0600-0800

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.7	2.2	.9								5.4	7.4
NNE	.3	1.0	1.0	.3	.1							2.9	7.1
NE	1.0	.2	.5									1.7	4.2
ENE	.6	.2	.8	.7								2.3	7.7
E	1.2	.8	3.0	1.6	.3							6.9	8.4
ESE	.6	.8	1.5	.3								3.2	6.4
SE	.6	1.4	1.8	.9								4.7	7.5
SSE	.7	1.3	2.0	.7	.2	.2						5.1	8.6
S	1.7	3.3	5.0	1.8	.3	.1						12.3	7.6
SSW	.8	1.6	2.8	3.3	.8	.2						9.6	10.4
SW	.9	2.0	1.5	2.4	.5	.1	.1					7.5	9.6
WSW	.5	2.0	2.9	2.6		.1						8.1	8.9
W	1.6	1.2	2.1	1.8	.5							7.1	8.4
WNW	2.9	1.6	.9	.6	.8							6.8	6.5
NW	2.5	1.7	.7	.6								4.8	4.7
NNW	1.7	1.6	.7	.3	.2							3.9	6.1
VARBL													
CALM												7.6	
	17.5	21.8	29.3	19.1	3.8	.8	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

868



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

037460

BOSCOMBE DOWN UK

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.6	1.7	1.9	.2							5.8	9.0
NNE	.1	.9	.8	1.1								3.0	8.9
NE	.2	.5	.9	.3								1.9	7.3
ENE	.1	.3	1.0	.7								2.2	8.9
E	.7	1.2	2.5	1.5	.5							6.4	8.9
ESE	.5	1.1	.7	1.0	.2							3.5	9.1
SE	.3	.7	.9	.6	.1							2.6	8.0
SSE	.7	.8	1.6	2.0	.3	.1						5.6	9.8
S	.7	1.7	3.4	3.9	.7	.5						10.8	10.7
SSW	.3	.5	3.1	6.7	1.1	.5						12.2	12.2
SW	.5	.5	.8	2.8	.9	.3	.2					6.0	13.0
WSW	.2	1.0	3.1	5.0	.1							9.4	10.3
W	.9	1.5	3.3	5.2	.8	.6						12.3	11.0
WNW	.8	1.5	1.5	2.4	.8	.2						7.2	10.2
NW	.7	.9	.3	.8	.3							3.1	8.7
NNW	.9	1.6	1.6	1.1	.2	.1						5.6	8.0
VARBL													
CALM												2.6	
	8.0	16.2	27.2	37.2	6.4	2.3	.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

880



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 037460 STATION NAME BOSCOMBE DOWN UK YEARS 73-82  
CLASS ALL WEATHER  
CONDITION  
SEPT NORTH  
1200-1400  
HOURS (LST)

SPEED (KNTS): DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	1.8	2.3	.2							6.3	9.1
NNE		.5	.8	.8								2.1	8.9
NE	.1	.5	.7	.1								1.4	7.2
NNE	.3	.3	1.3	.1								2.1	7.1
E	.6	.3	.7	1.8	.1							3.5	9.9
ESE	.2	.8	.8	1.6	.1							3.5	9.8
SE	.3	.3	.9	1.0								2.6	9.0
SSE	.5	1.1	1.1	1.4	.5	.1						4.6	9.8
S	.5	1.1	2.5	6.9	1.1	.2						12.3	11.9
SSW	.2	.7	1.4	6.7	2.5	.9	.3					12.8	14.4
SW	.6	.5	.7	4.7	1.4	.1						7.9	12.8
WSW	.3	1.8	1.8	4.6	.5	.2						9.3	10.5
W	.1	1.4	3.4	7.1	2.1	.3						14.4	12.3
WNW	.5	1.3	2.1	2.3	1.3	.7						8.0	11.8
NW	.2	1.9	1.7	1.6		.1						5.6	8.5
NNW	.2	.7	1.4	.3	.2							2.9	8.7
VARBL													
CALM												.8	
	5.3	14.5	23.1	43.3	9.9	2.7	.3					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 875



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

137860 BOSCOMBE DOWN UK  
STATION STATION NAME

71-81

ALL WEATHER  
YEAR

1971-1981  
PERIOD

1000 T00

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	54	N	MEAN WIND SPEED
N	.6	1.7	2.4	1.6	.1							5.6	8.6
NNE	.1	.9	.7	.9								2.5	1.7
NE	.1	.3	.6									1.0	6.1
ENE	.2	.7	.6									1.1	6.7
E	.2	.2	1.1	1.3	.2							3.1	10.1
ESE	.3	.3	.5	1.8								3.1	4.9
SE	.5	.2	.9	1.8	.1							3.5	10.7
SSE	.1	.5	1.7	1.5	.1	.3						4.0	11.1
S	.9	.8	4.7	5.8	.9	.3	.1					13.5	11.0
SSW	.1	.5	2.5	5.6	2.7	.5	.1					11.6	13.9
SW		.2	1.5	4.2	2.0	.1	.1					6.2	13.3
WSW	.2	1.6	2.5	7.4		.2						7.0	9.8
W	.6	3.1	4.6	6.4	1.6	.2						15.8	10.6
WNW	.2	1.6	2.3	7.4	1.4	.2						9.1	11.4
NW	.1	1.0	1.6	1.5	.2	.2						4.7	10.1
NNW	.5	1.0	1.3	.2								3.0	6.4
VARBL													
CALM												.7	
	4.9	14.3	28.8	39.4	9.4	2.2	.3					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

879



U.S. AIR FORCE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAZ

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
FROM HOURLY OBSERVATIONS

SURFACE WINDS

STATION  
100

30400607 3040 10  
071100 0000

75-01

ALL OBSERVED

DATE  
1957-01-01  
DURATION 1.00

SPEED KNOTS DIR	1-3	4-6	7-10	11-14	15-17	18-20	21-23	24-26	27-29	30-32	33-35	36-38	39-41	42-44	45-47	48-50	51-53	54-56	57-59	60-62	63-65	66-68	69-71	72-74	75-77	78-80	81-83	84-86	87-89	90-92	93-95	96-98	99-100	MEAN WIND SPEED		
N	.8	.5	1.1	.5																														1.7	6.3	
NNE	.1	.5	1.3																																1.9	6.7
NNE	.1	.5	.5	.7																															1.3	5.9
NNE		.5	.3	.1	.1																														1.0	5.2
E	.2	.3	1.2	1.8	.2																														1.9	7.0
ESE	.8	.5	1.3	1.7																															1.6	7.0
ESE	.6	.5	1.7	.7																															1.7	7.0
ESE	.6	1.8	1.8	1.3																															1.8	7.1
S	.3	3.4	7.3	7.3	.3																														14.1	10.0
SSW	.1	1.7	8.7	8.9	1.8	.5																													17.3	11.7
SSW	.1	.5	3.1	2.6	.6																														6.3	11.2
WSW	.5	2.3	3.3	1.8	.6																														1.0	7.7
W	.3	3.3	8.9	3.8	.2																														13.2	8.4
WNW	1.1	2.2	3.0	1.8																															7.6	7.6
WNW	.5	1.7	.7	.8	.2																														2.3	7.6
WNW	.5	.8	1.5	.5																															3.2	7.0
VARBL																																			1.7	
CALM																																				
	6.7	23.6	38.0	23.0	3.6	1.7	.5																											17.0	6.6	

TOTAL NUMBER OF OBSERVATIONS

877



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
FROM HOURLY OBSERVATIONS

100-443886-100

73-0.

ALL WFAFMED

100-2100

WIND DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	12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TOTAL NUMBER OF OBSERVATIONS

679

USAF-AC



GENERAL CLIMATOLOGY BRANCH  
JCS/STAG  
AIR WEATHER SERVICE /WAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
FROM HOURLY OBSERVATIONS

100-443687-100

[illegible][illegible]

TOTAL NUMBER OF OBSERVATIONS

7522

UNSAFE! Do not touch or move equipment until you are told it is safe to do so.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/WHAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
FROM HOURLY OBSERVATIONS

SURFACE WINDS

STATION: 105000000 DOWN UP  
STATION NAME:

73-01

105000

001

00010

ALL WEATHER

11000

1000-1200  
0000-1200

SPEED KNOTS DIR	1-3	4-6	7-12	13-16	17-21	22-27	28-33	34-40	41-47	48-55	56-64	%	MEAN WIND SPEED
N	.5	2.2	2.2	.8								2.3	6.6
NNE	.3	.7	1.1	.5								2.6	7.5
NF	.4	.1	.7	.3	.2	.1						1.8	9.8
NNE	.2	.2	1.2	.7								2.6	6.1
E	.6	2.7	5.6	3.3	.1							11.6	6.2
ESE	.7	1.1	1.6	.1								3.3	6.1
SE	.4	2.7	2.6	1.7	.3							7.1	6.8
SSE	1.0	1.3	1.6	1.2								5.1	7.2
S	.8	2.6	3.1	1.8	1.7	.2	.1					9.7	9.4
SSW	.6	1.5	1.6	2.2	.7							5.9	10.3
SW	.2	1.3	2.2	1.1	.4							4.9	9.8
WSW	.9	.5	2.5	2.2	.1							5.5	9.1
W	1.5	2.5	1.6	2.7	.6	.2						8.0	9.6
WNW	2.2	2.6	1.8	1.5	.2							8.4	8.9
NW	1.7	1.6	1.1	1.2								5.4	6.3
NNW	.9	1.6	1.6	1.5								4.7	7.1
VARIABLE												6.4	
CALM													
	12.3	21.9	31.1	21.9	3.8	.5	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

921



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

STATION 17450 BOSCOMBE DOWN UK YEARS 77-82 MONTH OCT  
STATION NAME CLASS ALL WEATHER  
CONDITION 0300-0500  
NOVEMBER

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.4	1.0	.1							4.6	7.7
NNE	.1	.2	.7	.5								1.5	9.7
NE	.1	.4	.3	1.0	.1	.2						2.2	11.6
ENE	.3	.8	.8	.8	.2							2.8	8.8
E	.3	1.3	6.4	3.6	.2							11.9	9.5
ESE		1.2	1.4	.7								3.3	8.2
SE	.9	2.7	1.5	1.9	.4							6.6	8.5
SSE	.8	1.7	1.2	1.0	.1							4.8	7.5
S	1.1	2.4	4.1	1.4	.5	.3						9.9	8.5
SSW	.1	1.1	1.4	2.0	1.1	.2						5.9	11.6
SW	.2	.7	1.2	.3	.8							3.2	10.4
WSW	.5	1.9	1.3	2.4	.1							6.2	8.8
W	1.3	2.1	1.6	1.7	.5	.1						7.4	8.1
WNW	2.1	3.4	1.5	2.1	.5							9.6	7.5
NW	1.7	2.4	1.4	1.2								6.8	6.2
NNW	.7	1.2	1.3	1.7	.1							4.7	8.5
VARBL													
CALM												8.7	
	10.9	24.1	27.3	23.2	4.9	.9						170.0	7.8

TOTAL NUMBER OF OBSERVATIONS 919



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

STATION 37467 STATION NAME BOSCOMBE DOWN UK YEARS 73-82 NORTH OCT  
CLASS ALL WEATHER HOURS (LST) 3600-0800  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	.3	1.2								2.8	8.7
NNE	.5	.9	1.1	.5								3.1	7.4
NE	.5	.2	.5	.7	.4							2.4	9.9
ENE	.4	.7	.9	.8	.1							2.8	8.6
E	1.4	1.7	6.4	2.6	.4							12.6	8.4
ESE	.2	1.4	1.9	1.3								4.8	8.4
SE		.7	2.5	.4			.1					3.7	8.9
SSE	.3	1.2	1.7	1.4	.5	.1						5.3	9.8
S	1.1	2.1	3.5	2.0	.2	.1						8.9	8.2
SSW	.2	1.3	2.2	1.5	1.4	.1						6.8	10.8
SW	.1	.2	2.3	.7	.7	.2						4.1	11.0
WSW	.7	1.2	2.0	1.5	.3							5.7	8.8
W	1.2	1.6	2.9	1.4	.7							7.9	8.3
WNW	1.6	2.6	1.7	2.0	.2							8.2	7.3
NW	3.1	2.1	1.2	.8	.1							7.2	5.2
NNW	.4	1.6	1.6	1.6	.2	.1						5.7	8.9
VARBL													
CALM												8.0	
	12.0	20.7	32.8	20.4	5.3	.7	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

917



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

037460  
STATION

BOSCOMBE DOWN UK  
STATION NAME

73-82  
YEARS

001  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	1.2	1.8	.2							5.0	9.2
NNE		.2	1.6	.4								2.2	9.0
NE	.3	.4	.7	1.1	.1							2.7	9.3
ENE	.4	.1	.7	1.4								2.7	10.1
E	.7	1.6	3.8	2.5	.9	.1						9.5	9.7
ESE	.9	.9	2.1	2.5	.4							6.9	9.6
SE	.2	.9	.6	1.1	.8							3.5	11.0
SSE	.3	.6	2.5	1.9	.7	.2						6.2	10.9
S	1.3	2.5	3.3	3.4	1.1							11.8	9.5
SSW	.6	.7	1.9	2.3	1.3	.2						7.0	12.1
SW	.3	.4	1.7	2.2	.4							5.1	10.9
WSW	.1	.6	2.2	3.0	.3							6.2	10.8
W	.7	1.0	2.5	2.9	.8							7.9	10.1
WNW	1.4	1.0	1.7	2.9	.4	.2						7.6	9.6
NW	.9	1.0	1.6	2.0	.7							6.1	9.6
NNW	.4	1.9	2.0	2.0	.2							6.5	8.8
VARBL													
CALM												3.1	
	9.3	14.9	29.9	33.6	8.4	.8						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

902



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

037060  
STATION

BOSCOMBE DOWN UK  
STATION NAME

73-82  
YEAR

OCT  
MONTH

1977-1982  
PERIOD

ALL WEATHER  
CLASS

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.0	.8	1.9	2.5	.6							6.7	9.3
NNE	.2	.4	1.2	.9	.2							3.0	9.7
NE		.4	.6	1.2	.1							2.3	10.3
ENE	.4	.4	.4	.8	.7							2.8	10.6
E	.3	.2	2.1	1.9	.3							4.9	10.7
ESE	.1	.4	1.2	1.8	.3	.1						4.3	11.2
SE	.3	.6	3.0	2.1	1.3							7.4	10.8
SSE	.1	.2	2.3	2.2	.4	.2						5.6	11.7
S	.3	.4	2.9	4.7	1.8	.7						10.8	12.7
SSW	.6	.2	2.3	3.2	.9	.7						7.9	12.4
SW	.4	.3	.9	2.6	1.6	.2	.1					6.1	13.5
WSW	.3	.6	2.6	4.4	.2	.1						8.2	10.8
W	.6	1.1	2.2	4.7	.6							9.2	10.8
WNW	.7	.6	1.8	2.7	.7	.2						6.6	10.9
NW	.1	1.1	1.5	2.1	.6	.2						5.6	10.9
NNW	.3	.8	2.8	3.1	.4	.1						7.6	10.6
VARBL													
CALM												1.2	
	5.9	8.7	29.8	40.9	10.7	2.6	.1					170.0	11.1

TOTAL NUMBER OF OBSERVATIONS

895



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

037467 BOSCOMBE DOWN UK

73-82

061

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

1500-1700

CLASS

SOURCE

FOOT-FEET

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	2.3	2.3	2.2	.4							7.3	9.2
NNE	.2	.6	1.3	.3	.1							2.5	6.1
NE		.2	.3	.8								1.3	1.6
ENE	.3	.4	1.2	.8	.3							3.1	6.8
E	.3	1.6	2.2	2.2	.3							6.6	9.5
ESE	.2	.1	1.2	1.7	.7							3.9	12.1
SE	.1	.6	3.1	2.1	.3							6.2	13.2
SSE	.2	.9	2.2	1.1	.3							4.8	9.2
S	.9	1.1	3.3	4.0	2.3	.1						11.7	11.1
SSW	.4	.9	1.4	3.3	1.2	.1						7.6	11.7
SW	.7	.7	1.6	1.9	.9	.2						5.9	10.9
WSW	.1	.3	3.0	2.4	.2							6.6	9.9
W	.2	1.6	3.2	5.0	.3							10.3	10.1
WNW	.7	1.1	1.8	3.4	.3	.1						7.4	10.0
NW	.7	1.5	2.3	1.8	.4	.1						6.9	9.1
NNW	.2	2.3	2.0	.9	.1							5.5	8.0
VARBL													
CALM												2.2	
	5.6	16.4	32.6	34.1	8.4	.7						170.0	9.8

TOTAL NUMBER OF OBSERVATIONS

903



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

077067 BOSCOMBE DOWN UK  
STATION

73-82

ALL WEATHER  
CLAS

067  
0000  
1400-2000  
0000-1100

SPEED ENTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.1	1.5	1.3								5.7	7.2
NNE	.3	.5	1.0	.3								2.2	7.3
NE	.1	.2	.8	.1								1.2	7.1
ENE	.4	.4	.8	.4	.3							2.4	9.0
E	.3	1.5	3.4	3.1	.2							8.5	9.6
ESE	.4	2.7	2.3	1.4	.6							6.3	8.7
SE	.5	2.1	1.7	1.2								5.6	7.8
SSE	.4	2.4	2.5	.9	.3							6.5	7.9
S	1.0	2.7	4.0	2.1	.9							10.7	8.6
SSW	.4	.8	2.9	2.1	.3	.1						6.7	9.9
SW			.8	2.0	.4	.1	.1					5.8	10.9
WSW	.4	1.9	3.4	1.4	.1	.2						7.4	8.6
W	1.6	2.1	3.9	2.5								10.1	7.8
WNW	1.3	2.5	2.3	1.3	.1							7.5	6.9
NW	.4	1.2	1.2	.5								3.4	7.1
NNW	.7	1.3	1.3	1.4								4.7	7.7
VARBL												5.1	
CALM													
	9.3	24.4	35.4	22.0	3.2	.4	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 917



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NO. 107460 STATION NAME BOSCOMBE DOWN UK YEARS 73-82 MONTH OCT  
CLASS ALL WEATHER HOURS (LST) 2100-2300  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.9	1.8	.8								4.2	7.2
NNE	.2	.9	.4	.3								1.9	6.9
NE	.5	.2	.7	.2	.2							1.9	7.6
ENE	.3	.7	1.6	.9	.4							4.3	9.6
E	.5	1.5	3.6	4.0								9.7	9.2
ESE	.1	1.6	2.7	.5								5.3	8.3
SE	.4	1.3	2.5	1.5	.2							6.3	8.7
SSE	.2	1.4	2.7	1.1	.2							5.7	8.8
S	.4	3.6	3.1	2.3	.3							9.8	8.6
SSW	.8	.8	1.6	1.2	.5	.1						5.3	9.7
SW	1.0	1.1	2.0	1.3	.2	.3						5.9	9.1
WSW	1.0	.3	4.2	1.5	.2							7.2	8.7
W	.8	2.0	3.4	1.2	.4							7.8	8.4
WNW	2.1	2.9	2.0	1.6	.2							8.8	6.8
NW	1.1	1.0	1.5	.8								4.4	6.7
NNW	.4	1.0	1.2	1.2								4.7	7.7
VARBL													
CALM												8.3	
	10.8	22.1	35.1	20.5	3.1	.4						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 911



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

037460 BOSCOMBE DOWN UK 73-82 OCT  
STATION STATION NAME YEARS NORTH  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
HOURS (L E T)

SPEED KTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	1.6	1.4	.2							5.2	8.2
NNE	.2	.5	1.5	.5	.5							2.4	8.1
NE	.3	.3	.6	.7	.2	.4						2.3	9.6
ENE	.4	.5	.9	.8	.3							2.9	9.3
E	.5	1.4	4.2	2.9	.3	.5						9.4	9.3
ESE	.3	1.1	1.8	1.2	.2	.5						4.7	9.1
SE	.4	1.2	2.2	1.5	.4		.5					5.8	9.3
SSE	.4	1.2	2.1	1.3	.3	.1						5.5	9.2
S	.9	2.2	3.4	2.7	1.6	.2	.5					10.4	9.6
SSW	.4	.8	1.9	2.3	.9	.2						6.6	11.1
SW	.4	.6	1.8	1.5	.7	.1	.5					5.1	10.9
WSW	.5	1.0	2.6	2.3	.2	.5						6.6	9.5
W	.9	1.7	2.7	2.8	.5	.5						8.6	9.2
WNW	1.5	2.1	1.8	2.2	.3	.1						8.3	8.1
NW	1.2	1.5	1.5	1.3	.2	.5						5.7	7.6
NNW	.5	1.6	1.7	1.6	.1	.5						5.5	8.6
VARBL													
CALM												5.6	
	9.5	19.2	31.8	27.0	6.0	.9	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 7284



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION	BOSCOMBE DOWN UK	73-82	NOV
STATION NAME		YEARS	MONTH
ALL WEATHER			0000-2359
CLASS			HOURLY (L 37)
CONDITION			

SPEED KNOTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	1.4	.3	.2							4.1	7.2
NNE	.5	.5	1.2	.7	.1							2.9	6.2
NE			.8	.2	.2							1.2	11.7
NNE	.1	.1	.6	.7								1.5	9.5
E	.5	.7	2.3	1.6	.1							5.1	8.9
ESE	.2	.5	1.6	1.1	.2							3.6	9.4
SE		.7	.8	1.1								2.6	9.5
SSE	.1	1.2	1.5	.3								3.2	7.3
S	.5	2.0	6.0	2.7	.3	.5	.1					13.0	9.5
SSW	.5	.6	3.8	3.7	2.3	.9						11.7	12.8
SW	.1	.5	2.3	2.9	1.7	.3	.2					8.0	13.4
WSW	1.0	1.4	2.7	3.4	.2							8.7	9.1
W	1.1	1.6	2.3	4.3	.9	.6						13.7	10.7
WNW	2.1	2.6	1.9	2.1	.6	.7	.1					10.2	9.1
NW	.9	2.1	.9	.7								4.6	6.5
NNW	.6	.6	.5	.6	.6	.3						3.0	11.2
VARBL													
CALM												5.9	
	9.8	17.3	30.4	26.5	7.4	3.3	.5					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

886



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

174600 20SCOMBE DOWN UK 73-82 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	1.3	.8	.1							3.9	7.9
NNE		.3	.6	.9	.6							2.4	11.6
NE		.6	.4	.9	.1	.1						1.7	13.6
ENE	.2	.3	.9	.7	.1	.1						2.4	9.8
E	.1	.4	2.5	1.7								4.7	9.2
ESE	.4	.2	1.0	.9	.2	.3						3.1	10.4
SE	.1	.7	1.5	.8	.1							3.1	8.8
SSE	.1	1.5	1.3	.2								2.7	7.8
S	.4	2.8	6.2	3.0	.3	.2	.1					13.1	9.2
SSW	.2	.3	3.4	3.8	1.3	.6						9.7	12.5
SW	.6	.4	3.4	2.8	1.6	.7	.1					9.5	12.3
WSW	.7	1.5	3.9	3.5	.4							11.0	9.6
W	1.3	1.2	2.6	3.0	1.0	1.1	.1					13.6	11.8
WNW	2.1	1.9	2.1	1.1	.6	.2						6.1	7.8
NW	1.6	1.3	1.5	1.0	.2							5.6	7.2
NNW	.3	.7	1.0	1.5	.2							3.7	12.2
VARBL													
CALM												5.4	
	8.8	15.1	33.6	26.5	7.0	3.4	.3					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 897



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
FROM HOURLY OBSERVATIONS.

ALL PLAIN

TOTAL NUMBER OF OBSERVATIONS

3 2 1



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
FROM HOURLY OBSERVATIONS

10-10-68

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1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

[illegible]

FOIA b(7)(D) - DISCLOSURE OF INFORMATION

034

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.



USAFETAC



U.S. NAVAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1953 EDSCOMBAT DOWN UP  
STATION

73-82

ALL WEATHER  
1953

NOV  
1953-1954  
1953-1954

SPEED KNOTS D.R.	3	4	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	MEAN WIND SPEED
N	.4	1.7	1.7	.7	.1	.5																	6.2
NNE		.8	.9	.6																			6.2
NE		.4	1.7	.1	.1	.1																	9.6
ENE		.7	.7	1.5	.3	.1																	12.6
E	.3	1.6	1.7	.6	.2																		6.7
ESE	.3	.3	.9	.2	.8																		7.7
SE	.4	.6	1.7	.8	.1																		6.5
SSE	.7	.7	.9	.2																			6.6
S	.2	2.1	2.7	2.8	.8	.6																	10.4
SSW	.2	.9	2.9	4.6	2.3	1.7																	14.7
SW	.2	1.7	2.8	5.1	1.7	.9																	12.7
WSW	.6	1.4	2.7	5.3	.9																		10.6
W	.4	1.5	3.5	4.3	1.1	1.1																	11.8
WNW	.6	1.5	1.7	3.3	1.8	.7																	12.3
NW	.6	1.2	1.6	1.5	.2																		9.7
NNW	.2	1.7	2.8	1.3	.9																		9.9
VARBL																							1.7
CALM																							
	4.9	19.1	27.7	32.7	9.8	4.3	.4	.1															10.8

TOTAL NUMBER OF OBSERVATIONS

689



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17050 BOSCOMBE DOWN UN STATION NAME 73-82 YEARS NOV  
STATION NORTH  
ALL WEATHER 1900-2000  
CLASS  
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.2	1.0	.1	.3							4.5	6.4
NNE		.9	.4	.4								1.8	7.8
NE		.2	1.3	.7	.1							2.4	9.7
ENE	.1	.3	.8	.8	.1							2.1	10.2
E		1.1	2.6	1.1	.1							4.9	9.1
ESE	.3	1.1	.7	.2	.3	.2						2.9	9.3
SE	.1	.4	.9	.8								2.2	8.8
SSE	.4	1.3	1.6	.7								4.0	7.1
S	.3	1.7	4.2	2.2	.9	.2	.3					9.9	10.3
SSW	.3	.9	2.6	4.3	2.4	.1						10.6	12.8
SW	.2	.4	3.5	4.0	1.5	.3	.1					10.1	12.7
WSW	.6	1.2	2.7	4.8	.1		.1					9.6	10.2
W	.8	1.9	2.2	4.4	1.2	.8						11.4	11.3
WNW	1.5	3.3	1.9	3.1	.7	.2						10.7	8.9
NW	.9	1.3	1.1	1.1								4.5	7.2
NNW	1.0	1.2	1.2	.8	1.0							5.3	9.1
VARBL													
CALM												2.9	
	7.5	19.8	28.8	29.7	8.8	1.9	.6					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 689



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 007862 BOSCOMBE DOWN UK CLASS ALL WEATHER YEARS 73-82 MONTH NOV  
2100-2300  
HOURS (LST)

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3	1.1	.3	.3							3.3	7.3
NNE	.3	.5	.9	.6								2.7	7.5
NE	.1	.7	1.1	.7								2.6	8.1
ENE		.1	1.5	.6	.3							2.5	10.9
E		.6	3.6	1.3	.2							5.4	9.4
ESE		.6	.7	.3		.1						1.7	9.2
SE	.1	.3	1.1	1.2		.1						2.9	10.2
SSE	.1	.7	2.3	.7								3.5	8.1
S	.3	1.6	6.7	1.6	.7	.3						11.1	9.4
SSW	.2	.7	3.1	5.3	1.7	.9						11.9	12.9
SW	.1	.6	3.0	4.3	1.3	.2	.1					9.3	12.0
WSW	.6	.8	3.6	3.0	.2	.2						8.4	10.1
W	1.2	1.1	2.2	6.0	1.3	.4						12.4	11.5
WNW	1.7	2.9	2.2	1.9	.4	.2						9.4	8.2
NW	.7	1.1	1.3	.4								3.6	6.7
NNW	1.1	.8	.9	1.0	.7	.1						4.6	9.3
VARBL												4.5	
CALM													
	7.3	14.7	34.8	28.9	7.0	2.6	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 890



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

137407 BOSCOMBE DOWN UK

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURLY OBSERVATIONS

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	1.2	.8	.2	.1						4.2	6.3
NNE	.1	.6	.8	.6	.1							2.2	5.6
NE	.0	.3	.7	.5	.1	.0						1.7	10.1
ENE	.1	.2	.8	.8	.3	.1						2.4	11.2
E	.3	.9	2.1	1.3	.1							4.7	9.7
ESE	.3	.7	.9	.6	.3	.1						2.8	9.7
SE	.3	.7	1.2	.9	.1	.0						3.1	5.9
SSE	.3	.9	1.4	.4	.0							3.0	7.4
S	.4	2.1	4.7	2.7	.7	.4	.1					11.0	10.0
SSW	.4	.7	2.8	4.4	2.0	1.0	.1	.0				11.4	13.4
SW	.3	.5	2.7	3.7	1.5	.7	.1					9.5	13.0
WSW	.5	1.1	3.3	4.0	.4	.7	.0					9.5	10.1
W	1.0	1.4	2.4	4.4	1.2	.8	.0					11.3	11.6
WNW	1.3	2.0	1.7	2.4	1.0	.5	.0					6.9	10.2
NW	1.0	1.4	1.3	1.3	.1	.0						5.1	7.8
NNW	.5	.9	1.6	1.5	.6	.1						5.3	9.9
VARBL													
CALM												4.0	
	7.3	15.7	29.7	30.4	8.8	3.8	.4	.0				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

7103



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1986  
STATION

BOSCOMBE DOWN UM

STATION NAME

73-82

YEARS

DEC

MONTH

ALL WEATHER

CLASS

1000-1200

HOURLY PERCENT

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	1.9	.5	.1							5.2	7.0
NNE	.1	1.0	.7	.3	.2							2.3	8.2
NE	.3	1.2	.7	.9								3.1	8.0
ENE	.2	.1	.2	.9	.1	.1						1.0	12.2
E	.3	1.2	2.6	4.2	.2							6.5	10.2
ESE	.2	.7	1.1	.8	.1							2.8	8.9
SE	.3	.7	.5	.7	.5							2.7	10.3
SSE	.5	.2	.7	.8	1.3	.1						3.3	12.3
S	.5	1.1	3.0	1.6	.5	.3	.1					7.2	10.2
SSW	.2	.3	2.4	3.5	1.5	1.0	.1					9.1	13.6
SW		.8	1.5	3.4	1.7	.9	.2					8.5	14.3
WSW	.4	1.0	3.5	4.7	.4	.3						10.4	11.0
W	1.1	2.0	3.6	4.5	1.1	1.3	.4					13.7	11.5
WNW	2.0	1.7	1.2	1.4	.8	.3						7.4	8.4
NW	1.7	.6	1.7	.9	.1							5.2	6.9
NNW	.4	.8	1.4	1.0								3.6	8.3
VARBL												5.2	
CALM													
	9.5	15.2	26.7	29.9	8.5	4.0	.9					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

915

USAFETAC

FORM  
JUL 84

REPLACES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION      BOSCOMBE DOWN UK      STATION

77-82

333

**STATION**

STATION NO. 22

**YEAR:**

●●●●●

ALL WEATHER

4300-2500

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

CONFIDENTIAL

SPEED KNOTS D.R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.2	1.7	1.6								5.1	8.4
NNE	.3	.2	.4	.9	.2							2.1	9.9
NE	.3	.3	.4	.2								1.3	6.3
ENE	.5	.3	1.1	1.5	.3	.1						3.9	10.5
E	.2	1.2	2.4	.6	.5							8.0	10.2
ESE	.3	.3	.7	1.4	.2							3.0	10.9
SE	.3	.2	.9	1.0	.7	.1						3.2	11.2
SSE	.7	.4	.5	.9	.3	.8						3.6	12.4
S	.5	1.1	3.3	2.0	1.0	.1						8.0	10.2
SSW	.4	.9	2.4	3.2	.9	.5						8.3	11.9
SW	.1	.2	1.4	2.5	1.5	.8	.2					6.8	14.9
WSW	.4	1.7	4.0	4.6	.5	.1						11.5	10.1
W	1.1	2.4	3.1	5.4	1.3	.9		.3				14.4	11.6
WNW	1.2	2.2	1.2	1.5	1.3	.5						8.0	10.2
NW	1.7	1.0	.4	.1	.3							3.6	5.5
NNW	.7	1.1	1.4	1.6	.1							4.9	8.7
VARBL													
CALM												4.4	
	9.5	14.9	25.5	32.0	9.3	3.9	.2	.3				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

915



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

13746  
STATION

BOSCOMBE DOWN UK  
STATION NAME

73-82  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1800  
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.8	1.1	1.4	1.6		.1						5.5
NNE	.2	.7	1.0	.9	.1							2.8
NE	.2	.7	.2	.2								1.3
ENE	.2	.5	1.1	1.1	.1	.2						3.3
E	.1	.5	1.9	4.6	.7							7.8
ESE	.2	.7	.2	1.5	.8							3.4
SE	.2	.5	.7	.3	1.1							2.8
SSE		.1	.5	1.0	.1	.7	.1					2.5
S	.3	1.2	3.1	2.6	1.2	.5						9.0
SSW	.3	.9	2.0	3.7	.5	.7						8.1
SW	.4	.4	2.3	3.7	.9	.3						8.1
WSW	.4	1.2	3.3	4.6	1.1	.1						10.7
W	1.4	1.7	3.4	5.3	1.0	1.1						14.0
WNW	1.9	1.3	1.2	2.8	.4	.4						8.1
NW	1.4	1.1	.4	.9	.2							4.0
NNW	.5	.5	1.7	1.6	.2							4.7
VARBL												4.5
CALM												
	8.7	13.2	24.3	36.6	8.4	4.1	.1					100.0

TOTAL NUMBER OF OBSERVATIONS

916



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION BOSCOMBE DOWN UK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURE (L.T.T.)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.8	.9	1.5	.2							5.1	9.1
NNE		.4	.8	.7								1.8	9.4
NE	.2	.3	.1	.5								1.2	6.0
ENE	.2	.3	1.1	1.6	.4	.3						3.9	12.7
E	.4	.8	1.6	4.5	.3							7.6	10.9
ESE	.1	.2	.3	1.7	.9	.1						2.6	13.9
SE	.3	.3	.8	1.1	1.0	.3						3.7	12.7
SSE	.7	.5	.3	.7	.5	.1						2.8	10.1
S	.5	.9	3.8	2.2	1.7	.9						10.0	12.1
SSW	.2	.9	2.1	3.3	1.3	.4						6.1	12.2
SW	.2	.8	1.8	2.3	1.5	.2						6.3	12.4
WSW	.8	1.2	2.4	5.3	.8	.1						10.5	10.9
W	1.1	1.2	3.3	7.1	1.4	1.2						15.2	12.0
WNW	1.4	.8	1.5	2.3	.5	.8						7.3	10.6
NW	2.0	1.5	.2	.8	.1							4.6	5.6
NNW		.9	1.4	1.8	.1	.2						4.5	10.9
VARBL													
CALM												4.2	
	3.8	12.7	22.4	36.5	10.9	4.6						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

921



1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION  
37060

STATION NAME  
BOSSCOMBE DOWN UK

YEARS  
73-82

DEC  
NORTH

ALL WEATHER

1200-1400  
HOURS (LST)

CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	1.7	2.3	.3							6.2	9.3
NNE	.2	.4	.8	.7								2.1	8.9
NE	.2	.3	.6	.4		.2						2.2	9.1
ENE	.3	.4	.9	1.8	.3							3.8	10.9
E	.6	.5	1.1	2.9	.2							5.5	9.8
ESE	.4	.1	.3	1.7	.8							3.3	12.5
SE	.2	.3	.7	1.8	.9	.7						4.5	13.9
SSE	.2	.7	.2	.4	.6	.2						2.3	12.4
S	.6	1.3	.9	3.1	2.0	.2	.2					8.7	12.3
SSW	.4	.7	1.5	1.8	2.0	.4						6.9	13.7
SW	.2	.4	1.8	3.0	2.2	.9						8.5	14.5
WSW	.3	.7	2.4	4.1	.6	.1						9.2	11.1
W	1.2	1.1	3.4	7.1	2.2	1.1	.1					16.2	12.4
WNW	1.0	.3	1.5	4.1	1.9	1.5						10.4	13.6
NW	.4	1.3	.8	.8	.6	.1						3.6	9.7
NNW	.8	1.7	.6	2.0								4.3	9.3
VARBL												3.2	
CALM													
	7.6	11.9	19.1	37.8	14.5	5.5	.3					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 905



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 808COMBE DOWN UK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1900-1999

CLASS

HOURLY OBS.

CONDITION

SPEED KNOTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.7	1.3		.1						5.5	6.1
NNE	.2	.7	.5	.9	.1							2.1	9.1
NE	.7	.5	.7	.5								2.4	6.6
ENE		.7	.7	1.4	.3	.1						3.2	11.4
E	.3	.7	1.5	2.2								4.7	9.6
ESE	.2	.3	.5	1.7	.1							2.9	13.6
SE	.1	.4	1.3	1.5	.4	.4						4.2	12.7
SSE	.1	.3	1.4	1.6	.7	.2						4.4	12.2
S	.5	1.5	1.8	2.7	1.6		.3					8.6	11.7
SSW	.1	.3	2.5	2.3	1.8	.1						7.2	12.5
SW		.8	1.6	3.0	1.6	.9	.2					8.2	14.1
WSW	.3	1.8	3.3	2.3	.4							8.2	9.4
W	.9	1.5	4.4	6.6	1.9	1.8						17.1	12.4
WNW	.8	1.1	2.1	3.7	.4	.1						8.2	10.2
NW	.3	1.4	1.2	1.3	.1							4.4	8.2
NNW	1.0	1.4	1.4	1.4	.2	.1						5.5	6.3
VARBL												3.4	
CALM													
	6.2	14.9	26.7	34.6	9.8	3.9	.5					100.0	12.6

TOTAL NUMBER OF OBSERVATIONS

919



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION  
1040

BOSCOMBE DOWN UK

73-82

DEC

STATION NAME

YEARS

MONTH

ALL WEATHER

1907-2000

CLASS

HOURLY SET

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	.1	1.7	2.3	.8	.1							8.5	8.3
NNE	.6	.7	.4	.5								2.4	6.6
NE	.4	.5	.3	.3								1.5	6.4
ENE	.7	.1	.2	1.1	.5	.2						2.3	11.6
E	.7	1.2	2.4	2.6	.4	.1						6.9	15.5
ESE	.3	.3	1.5	1.7	.4							3.5	15.5
SE		.5	1.5	1.4	.8	.4						4.7	12.4
SSE	.4	.4	.5	1.3	.9	.2		.1				3.9	12.8
S	.2	1.6	3.5	2.1	1.6	.5	.1					7.7	11.7
SSW		.7	2.1	3.1	1.0	.4	.3					7.5	13.1
SW	.1	.4	2.2	2.5	1.4	.5						7.2	13.4
WSW	.3	2.7	2.7	2.9	.7							9.3	9.4
W	1.5	1.5	3.9	4.7	2.0	1.0	.1					14.1	12.1
WNW	2.1	1.8	1.7	2.5	.1	.2						8.5	5.1
NW	.7	.3	1.3	.7	.3							3.3	8.8
NNW	.4	.4	2.4	1.1	.1	.1						4.9	8.8
VARBL												5.3	
CALM													
	7.7	15.6	28.4	29.5	10.3	3.8	.5	.1				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

922



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 7741 BOUCOMBE DOWN UK

73-P2

STATION

STATION NAME

YEARS

DATE

MONTH

1973-01-01

ALL WEATHER

CLASS

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.7	1.4	.5	.3							5.4	5.6
NNE	.5	.5	.4	.3								1.4	5.7
NE	.1	.3	.2	.5								1.1	5.8
ENE	.1	.4	.4	1.5	.1		.3					2.9	12.9
E	.3	1.3	2.7	3.7	.2							7.6	9.7
ESE	.2	1.7	.4	.4	.3							2.4	10.1
SE	.1	.2	.7	1.8	1.3	.3						5.0	10.3
SSE	.1	.7	1.7	1.7	1.5							5.3	10.9
S	.8	2.1	3.3	1.3	1.7	.1	.1					5.6	9.7
SSW	.1	.3	1.4	3.8	2.3	.4	.2					4.6	14.7
SW	.1	.3	2.2	2.9	1.2	.5						7.3	12.9
WSW	.8	1.7	2.7	4.2	1.7	.7						7.9	10.9
W	1.5	2.7	3.4	4.3	1.7	1.2	.2					14.1	11.5
WNW	1.7	1.7	2.5	1.5	.3	.5						5.4	8.7
NW	.9	1.1	1.8	1.4	.1	.1	.1					5.5	8.9
NNW	.5	.6	1.1	.0								3.3	7.8
VARBL													
CALM													
	9.7	16.3	45.6	29.6	10.3	3.3	1.0					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

422



U.S. AIR FORCE  
CENTRAL CLIMATOLOGY BRANCH  
OFFICE  
ALL WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
FROM HOURLY OBSERVATIONS

SURFACE WINDS

STATION  
LOUCHEMUE DOWN DR

FR-8

ALL WEATHER

DATE  
1954  
11-11

SPEED KNOTS DIR	1-3	4-6	7-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	35-37	38-40	41-43	44-46	47-49	50-52	53-55	56-58	59-61	62-64	65-67	68-70	71-73	74-76	77-79	80-82	83-85	86-88	89-91	92-94	95-97	98-100	MEAN WIND SPEED
N	.7	1.5	1.8	1.7	.7	.7																											1.5	
NNE	.7	.5	.6	.6	.6	.1																											.5	
NE	.3	.6	.4	.7	.7	.7																											.5	
ENE	.7	.4	.7	1.6	.3	.1																											.5	
E	.3	1.7	2.7	3.4	.7	.7																											1.4	
ESE	.3	.4	.6	1.7	.4	.7																											.5	
SE	.7	.7	.9	1.2	.4	.7																											.5	
ESE	.3	.4	.7	1.7	.6	.7																											.5	
S	.5	1.4	2.8	2.7	1.3	.3																											.5	
SSA	.7	.5	2.7	3.1	1.4	.7																											.5	
SW	.1	.7	1.9	2.9	1.5	.4																											.5	
WSW	.5	1.4	3.3	6.1	.7	.1																											.5	
W	1.2	1.7	3.5	5.6	1.6	1.1																											.5	
WWW	1.5	1.4	1.6	2.5	.7	.6																											.5	
NW	1.1	1.7	1.5	.4	.2	.7																											.5	
NNW	.5	.9	1.4	1.4	.1	.1																											.5	
VARBL																																		.5
CALM																																		.5
	.4	14.3	24.8	37.2	10.2	4.1		.4	.1																								170.5	

TOTAL NUMBER OF OBSERVATIONS

733

OFFICE  
11-11-54



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
FROM HOURLY OBSERVATIONS.

7-6

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED

**A**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

65.77

STATE, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645,



GLOBAL CLIMATOLOGY BRANCH  
COSMETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

[illegible]

73-9.

411

**000000**

411

**1980-1981**

## INSTRUMENT

**CLASS**

CIG 200 TO 1400 FT W/ USBY 1/2 MI OR MORE.

1000 1000 1000

AND/OR USEY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

[illegible]

TOTAL NUMBER OF OBSERVATIONS

2450



U. S. AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side



EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

**EXAMPLE # 1** Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

**EXAMPLE # 2** Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

**EXAMPLE # 3** To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.



#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  feet with  $\geq 1$  mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.



CENTRAL CLIMATOLOGY BRANCH  
WAFB TAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

NAME: BOGOMOLOE TOWN OM

73-02

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

15.6	21.9	22.5	24.5	25.5	26.4	27.1	27.8	28.2	28.2	28.2	28.2	28.2	28.6	28.6	29.6
20.1	26.4	27.4	29.7	31.1	32.5	33.4	34.3	34.9	34.9	34.9	34.9	34.9	35.2	35.2	36.2
20.1	26.4	27.4	29.7	31.1	32.5	33.4	34.3	34.9	34.9	34.9	34.9	34.9	35.2	35.2	36.2
20.1	26.4	27.4	29.7	31.1	32.5	33.4	34.3	34.9	34.9	34.9	34.9	34.9	35.2	35.2	36.2
20.2	26.5	27.5	29.6	31.2	32.6	33.5	34.4	35.0	35.0	35.0	35.0	35.0	35.3	35.3	36.3
20.6	27.0	28.0	30.3	31.7	33.0	33.9	35.0	35.5	35.5	35.5	35.5	35.5	35.9	35.9	36.9
21.3	28.3	29.5	32.0	33.4	34.9	35.8	36.9	37.5	37.5	37.5	37.5	37.5	37.8	37.8	38.9
21.7	28.8	29.9	32.6	33.9	35.4	36.3	37.5	38.1	38.1	38.1	38.1	38.1	38.4	38.4	39.4
22.3	29.4	30.5	33.1	34.5	36.0	36.9	38.1	38.6	38.6	38.6	38.6	38.6	39.0	39.0	40.0
22.6	29.6	30.7	33.5	34.9	36.3	37.3	38.4	39.0	39.0	39.0	39.0	39.0	39.3	39.3	40.3
23.0	30.3	31.5	34.3	35.8	37.5	38.5	39.7	40.2	40.2	40.2	40.2	40.2	40.6	40.6	41.6
23.5	31.0	32.5	35.4	37.0	38.9	40.1	41.3	41.8	41.8	41.8	41.8	41.8	42.2	42.2	43.2
24.1	31.8	33.5	36.7	38.3	40.2	41.5	42.7	43.3	43.3	43.3	43.3	43.3	43.7	43.7	44.7
25.0	32.7	34.6	37.8	39.4	41.4	42.6	43.9	44.5	44.5	44.5	44.5	44.5	44.8	44.8	45.8
25.7	33.5	35.4	38.7	40.3	42.3	43.5	44.8	45.4	45.4	45.4	45.4	45.4	45.7	45.7	46.7
26.6	36.9	39.1	43.0	44.7	46.6	47.9	49.5	50.1	50.1	50.1	50.1	50.1	50.4	50.4	51.4
37.7	39.7	42.1	46.2	47.9	49.8	51.2	52.9	53.9	54.1	54.1	54.1	54.1	54.5	54.5	55.5
34.1	43.9	46.7	51.3	53.3	55.2	56.7	58.5	59.5	59.8	59.8	59.8	59.8	60.5	60.5	61.5
35.1	45.0	48.3	52.9	55.0	56.9	58.6	60.5	61.5	61.8	61.8	61.8	61.8	62.5	62.5	63.5
36.5	46.9	50.5	55.3	57.6	59.7	61.4	63.2	64.2	64.6	64.6	64.6	64.6	65.3	65.3	66.3
37.5	50.3	54.4	59.5	62.2	64.3	66.2	68.2	69.3	69.6	69.6	69.6	69.6	70.3	70.3	71.3
37.9	53.0	57.3	62.5	65.1	67.3	69.1	71.4	72.5	72.8	72.8	72.8	72.8	73.5	73.5	74.5
38.4	54.1	58.6	64.1	66.7	69.0	70.9	73.1	74.2	74.5	74.5	74.5	74.5	75.2	75.2	76.2
39.1	55.4	60.3	66.2	68.8	71.2	73.1	75.4	76.5	76.8	76.9	76.9	77.0	77.6	77.6	78.6
39.8	57.3	62.4	68.8	71.8	74.3	76.3	78.7	79.8	80.2	80.3	80.3	80.3	81.0	81.0	82.1
40.5	59.3	65.0	71.5	75.1	77.7	79.8	82.3	83.5	84.0	84.1	84.1	84.2	84.8	84.8	85.8
40.7	59.8	65.6	72.2	76.0	78.6	80.9	83.8	85.0	85.5	85.6	85.6	85.7	86.3	86.3	87.3
40.7	59.9	65.7	72.8	76.8	79.4	81.7	84.6	85.9	86.5	86.6	86.6	86.7	87.3	87.3	88.3
40.7	60.6	66.5	74.4	78.7	81.7	84.0	87.0	88.8	89.4	89.6	89.6	89.7	90.3	90.3	91.3
41.7	60.6	66.6	74.6	79.0	82.4	84.9	88.6	90.6	91.3	91.5	91.5	91.8	92.3	92.3	93.4
40.7	60.6	66.6	74.6	79.0	82.4	85.4	89.4	92.1	93.6	93.9	93.9	94.3	94.9	94.9	95.9
40.7	60.6	66.6	74.6	79.0	82.5	85.5	89.5	92.6	94.2	94.7	94.9	95.3	96.3	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 875



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

17450 BOSCOMBE DOWN UK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-1500

16.5	21.2	27.1	23.5	23.7	24.4	24.8	26.3	26.4	26.5	26.5	26.5	26.5	26.6	26.5	27.8
21.3	27.0	28.4	29.6	30.4	31.4	32.1	33.9	34.1	34.2	34.2	34.2	34.3	34.5	34.5	35.7
21.4	27.1	28.6	29.7	30.5	31.5	32.2	34.0	34.2	34.3	34.3	34.3	34.4	34.7	34.7	35.8
21.6	27.2	29.7	29.8	30.6	31.6	32.3	34.1	34.3	34.4	34.4	34.4	34.5	34.8	34.8	35.9
22.3	27.7	29.1	30.2	31.0	32.1	32.7	34.5	34.8	34.9	34.9	34.9	35.0	35.2	35.2	36.3
22.6	28.3	29.8	30.9	31.7	32.7	33.4	35.2	35.4	35.6	35.6	35.6	35.7	35.9	35.9	37.0
23.4	29.5	31.5	32.2	33.0	34.0	34.7	36.5	36.7	36.8	36.8	36.8	36.9	37.1	37.1	38.3
23.9	30.1	31.7	32.8	33.6	34.7	35.4	37.2	37.5	37.6	37.6	37.6	37.7	37.9	37.9	39.1
24.2	30.4	31.9	33.1	33.9	34.9	35.7	37.5	37.7	37.8	37.8	37.8	37.9	38.1	38.1	39.3
24.5	30.7	32.3	33.4	34.2	35.2	36.0	37.8	38.0	38.1	38.1	38.1	38.3	38.5	38.5	39.6
25.2	31.4	33.0	34.1	34.9	35.9	36.7	38.6	38.8	38.9	38.9	38.9	39.1	39.3	39.3	40.4
26.2	32.6	34.3	35.4	36.5	37.5	38.3	40.2	40.4	40.5	40.5	40.6	40.7	41.0	41.0	42.1
26.5	33.3	35.3	36.5	37.5	38.5	39.3	41.3	41.5	41.5	41.8	41.9	42.0	42.2	42.3	43.6
27.2	34.7	36.7	37.8	38.9	40.0	40.7	42.8	43.0	43.2	43.3	43.5	43.6	43.8	43.9	45.1
27.9	35.7	37.8	39.1	40.2	41.2	42.1	44.1	44.4	44.6	44.7	44.8	44.9	45.1	45.3	46.5
29.8	38.1	40.5	41.9	43.1	44.1	45.1	47.3	47.7	48.0	48.1	48.2	48.3	48.6	48.8	50.0
31.4	40.4	42.8	44.8	46.2	47.2	48.2	50.3	51.0	51.2	51.4	51.5	51.6	51.9	52.0	53.3
34.9	45.3	47.7	50.0	51.5	52.6	53.6	55.8	56.4	56.7	56.8	57.0	57.2	57.7	57.8	59.1
36.6	47.3	50.0	52.5	54.0	55.2	56.2	58.4	59.1	59.4	59.5	59.7	59.9	60.4	60.5	61.9
37.5	49.4	52.6	55.1	56.9	58.5	59.5	61.7	62.6	62.9	63.0	63.2	63.4	63.9	64.0	65.3
40.5	54.9	58.6	61.3	63.2	64.8	65.8	68.1	69.0	69.2	69.3	69.5	69.8	70.2	70.3	71.7
41.8	57.6	61.7	64.7	66.6	68.2	69.2	71.4	72.3	72.6	72.7	72.9	73.1	73.6	73.7	75.2
42.2	58.7	62.9	66.0	68.1	69.6	70.7	72.9	73.8	74.0	74.2	74.4	74.6	75.1	75.2	76.6
43.0	60.4	64.8	68.3	70.5	72.1	73.1	75.5	76.4	76.7	76.9	77.1	77.3	77.8	77.9	79.3
43.5	61.2	65.8	69.6	72.0	73.6	74.6	77.1	78.0	78.4	78.6	78.8	79.0	79.6	79.7	81.2
43.7	63.1	67.9	72.2	74.6	76.3	77.3	79.8	80.9	81.5	81.6	81.8	82.1	82.6	82.7	84.2
43.7	63.2	68.2	72.9	75.5	77.2	78.2	80.8	82.2	82.7	82.8	83.1	83.3	83.9	84.0	85.4
43.7	64.1	69.4	74.5	77.7	79.3	80.4	83.2	84.5	85.2	85.3	85.6	85.8	86.3	86.5	87.9
43.8	64.3	69.8	75.2	78.6	80.6	81.6	84.8	86.3	87.0	87.1	87.4	87.6	88.1	88.3	89.7
43.8	64.3	69.8	75.5	79.0	81.4	82.7	86.1	87.7	88.6	88.7	88.9	89.4	90.1	90.2	91.6
43.8	64.3	69.8	75.5	79.2	81.8	83.6	87.6	89.4	90.6	91.2	91.5	92.2	93.0	93.2	94.9
43.8	64.3	69.8	75.5	79.2	81.9	83.9	87.9	90.0	91.2	92.1	92.6	93.2	94.8	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS

886

USAF ETAC 101446 01 JAN 1973 101446 01 JAN 1973 101446 01 JAN 1973



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

007400 BOSCOMBE DOWN UK

73-62

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1600

15.3	18.7	19.6	20.4	20.6	21.3	21.9	22.2	22.7	22.6	22.6	22.8	23.1	23.4	23.5	24.1
19.1	23.8	24.9	25.9	26.2	27.3	28.2	28.9	29.7	29.5	29.5	29.7	30.0	30.4	30.5	31.2
19.1	23.8	24.9	25.9	26.2	27.3	28.2	28.9	29.7	29.5	29.5	29.7	30.0	30.4	30.5	31.2
19.3	24.0	25.2	26.1	26.4	27.6	28.5	29.1	29.3	29.7	29.7	29.9	30.3	30.6	30.7	31.4
19.4	24.3	25.4	26.3	26.6	27.8	28.7	29.4	29.5	29.9	29.9	30.2	30.5	30.8	31.0	31.6
20.2	25.4	26.5	27.4	27.8	28.9	29.8	30.5	30.6	31.1	31.1	31.3	31.6	32.0	32.1	32.8
21.9	27.2	28.5	29.4	29.7	30.8	31.7	32.4	32.5	33.0	33.0	33.2	33.6	33.9	34.0	34.8
22.3	27.7	29.0	29.9	30.3	31.4	32.3	33.0	33.1	33.6	33.6	33.8	34.1	34.5	34.6	35.4
22.4	28.1	29.5	30.4	30.7	31.9	32.8	33.4	33.6	34.0	34.0	34.2	34.6	34.9	35.0	35.8
22.4	28.1	29.5	30.4	30.7	31.9	32.8	33.4	33.6	34.0	34.0	34.2	34.6	34.9	35.0	35.8
23.1	28.9	30.3	31.2	31.5	32.7	33.6	34.2	34.4	34.8	34.8	35.0	35.4	35.7	35.8	36.6
24.7	31.9	33.4	34.4	34.7	35.8	36.7	37.4	37.6	38.1	38.1	38.3	38.7	39.0	39.1	39.9
25.5	32.9	34.5	35.5	35.9	37.2	38.1	38.9	39.3	39.9	39.9	40.1	40.5	40.8	41.0	42.1
27.1	35.0	36.7	38.1	38.7	39.9	40.8	41.6	42.1	42.6	42.6	42.9	43.2	43.5	43.8	45.0
27.4	35.9	37.6	39.0	39.7	40.9	41.8	42.6	43.4	44.0	44.1	44.3	44.7	45.0	45.2	46.5
29.9	39.1	41.0	42.6	43.5	44.8	45.7	46.5	47.3	48.0	48.1	48.3	48.6	49.0	49.2	50.5
32.4	42.6	44.7	46.8	48.1	49.5	50.5	51.5	52.3	52.9	53.1	53.3	53.7	54.1	54.3	55.6
35.7	46.9	49.4	51.9	53.4	55.1	56.3	57.5	58.5	59.3	59.4	59.6	60.2	60.7	60.9	62.1
36.8	48.9	51.2	53.7	55.2	57.0	58.3	59.6	60.7	61.5	61.6	61.8	62.4	62.8	63.0	64.3
38.5	52.2	55.1	57.6	59.1	61.2	62.5	63.9	65.0	65.8	65.9	66.1	66.7	67.1	67.3	68.6
40.5	56.2	59.8	62.7	64.2	66.4	67.8	69.5	70.5	71.4	71.5	71.8	72.3	72.8	73.0	74.3
41.3	56.7	62.2	65.3	66.8	69.3	70.7	72.6	73.6	74.5	74.6	74.8	75.4	76.0	76.2	77.4
41.6	59.8	63.4	66.4	68.1	70.7	72.2	74.0	75.1	76.0	76.1	76.3	76.9	77.4	77.7	78.9
41.8	60.9	64.7	68.0	69.7	72.6	74.1	76.0	77.0	77.9	78.0	78.2	78.8	79.4	79.6	80.8
42.3	62.2	66.2	69.7	71.4	74.3	75.9	77.8	78.8	79.8	79.9	80.2	80.7	81.3	81.5	82.8
42.5	62.9	66.9	70.6	72.6	75.7	77.4	79.6	80.6	81.6	81.7	82.0	82.5	83.1	83.3	84.6
42.9	63.9	67.9	71.8	73.8	77.0	78.7	80.8	81.9	82.9	83.0	83.2	83.8	84.4	84.6	85.8
42.9	64.3	68.3	72.1	74.5	77.7	79.6	81.9	83.1	84.1	84.2	84.5	85.0	85.6	85.8	87.1
42.9	64.6	68.7	72.8	75.5	79.0	81.0	83.4	84.8	86.1	86.2	86.4	87.0	87.5	87.8	89.0
42.9	64.9	69.0	73.1	76.4	80.2	82.4	85.6	87.2	88.5	88.8	89.0	89.8	90.4	90.6	92.0
42.9	64.9	69.0	73.1	76.8	80.5	82.9	86.7	88.5	90.2	90.5	90.8	92.1	92.6	92.9	94.7
42.9	64.9	69.0	73.1	76.8	80.6	83.0	87.0	89.0	90.8	91.4	91.8	93.5	94.7	95.1	96.0

TOTAL NUMBER OF OBSERVATIONS 682



## CEILING VERSUS VISIBILITY

02746 BOSCOMBE DOWN UK

73-82

JAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS.

5900-1100

11.5	15.3	15.8	16.2	16.8	17.1	17.2	17.4	17.6	17.6	17.5	17.8	17.8	17.9	19.2
18.1	23.4	24.2	25.1	25.9	26.6	26.8	27.3	27.4	27.5	27.5	27.7	27.7	28.3	29.9
18.5	23.7	24.5	25.4	26.2	26.9	27.1	27.6	27.7	27.8	27.8	28.1	28.1	28.6	30.2
18.6	23.8	24.6	25.5	26.5	27.1	27.4	27.9	28.1	28.2	28.2	28.4	28.4	29.0	30.6
19.3	24.5	25.3	26.2	27.1	27.9	28.2	28.8	29.0	29.1	29.1	29.3	29.3	29.9	31.5
20.8	26.5	27.3	28.2	29.1	30.0	30.3	31.0	31.1	31.5	31.5	31.7	31.7	32.3	33.9
22.3	28.5	29.3	30.2	31.4	32.3	32.6	33.3	33.4	33.8	33.8	34.0	34.0	34.5	36.1
23.0	29.6	30.6	31.5	33.0	33.9	34.2	35.0	35.1	35.5	35.5	35.7	35.7	36.3	38.0
23.5	30.1	31.1	32.0	33.5	34.4	34.8	35.6	35.7	36.0	36.0	36.3	36.3	36.8	38.5
23.8	30.4	31.4	32.4	33.9	34.8	35.1	35.9	36.0	36.4	36.4	36.6	36.6	37.2	38.9
24.2	30.9	31.8	32.8	34.3	35.2	35.6	36.4	36.5	36.8	36.8	37.1	37.1	37.6	39.3
26.2	33.5	34.4	35.7	37.2	38.2	38.5	39.3	39.5	39.8	39.8	40.0	40.0	40.6	42.4
26.6	35.0	35.9	37.2	38.9	39.9	40.3	41.0	41.2	41.5	41.5	41.7	41.7	42.3	44.1
27.3	36.1	37.1	38.5	40.3	41.4	41.7	42.5	42.6	43.0	43.0	43.2	43.2	43.8	45.7
28.5	37.9	38.8	40.3	42.0	43.1	43.4	44.4	44.5	45.3	45.0	45.3	45.3	45.8	47.8
30.2	40.0	41.2	42.8	44.5	45.6	46.0	46.9	47.0	47.7	47.7	47.9	47.9	48.5	50.4
33.4	43.9	44.9	46.8	48.6	49.8	50.4	51.3	51.4	52.1	52.1	52.5	52.7	53.4	55.3
38.0	49.9	51.3	53.4	55.3	56.8	57.7	58.8	59.2	60.0	60.1	60.4	60.7	61.5	63.5
39.8	52.5	54.0	56.3	58.3	59.7	60.7	61.8	62.1	62.9	63.1	63.4	63.6	64.4	66.5
41.4	54.8	56.6	59.1	61.0	62.5	63.5	64.7	65.0	65.9	66.0	66.4	66.7	67.5	69.6
43.1	57.5	59.6	62.6	64.8	66.2	67.3	68.5	68.9	70.0	70.1	70.5	70.8	71.6	73.7
44.8	59.6	61.8	65.2	67.7	69.3	70.5	71.7	72.1	73.3	73.4	73.8	74.1	74.9	77.0
45.2	60.9	63.2	66.6	69.1	70.7	71.9	73.3	73.8	75.0	75.1	75.5	75.8	76.6	78.7
45.8	62.9	65.5	69.3	71.9	73.5	74.8	76.2	76.9	78.1	78.2	78.6	78.9	79.7	81.8
46.4	64.9	67.7	71.8	74.6	76.3	77.7	79.0	79.7	81.1	81.2	81.5	81.9	82.7	84.7
46.5	65.6	68.5	72.9	75.6	77.4	78.8	80.2	81.0	82.6	82.7	83.1	83.5	84.4	86.4
46.9	66.1	69.2	73.5	76.4	78.4	79.9	81.4	82.2	83.8	83.9	84.4	84.7	85.6	87.7
46.9	66.4	69.7	74.1	77.1	79.1	80.7	82.6	83.5	85.2	85.5	86.0	86.3	87.2	89.4
46.9	66.5	69.8	74.5	77.9	79.9	82.0	83.9	85.1	87.0	87.3	87.8	88.1	89.1	91.2
46.9	66.6	69.9	74.8	78.2	81.0	83.1	85.4	86.8	88.9	89.4	90.0	90.3	91.2	93.4
46.9	66.7	70.0	74.9	78.3	81.2	83.4	86.1	87.9	90.2	90.8	91.4	91.9	93.2	95.9
46.9	66.7	70.0	74.9	78.3	81.2	83.4	86.1	87.9	90.2	90.8	91.4	92.1	94.4	95.2

TOTAL NUMBER OF OBSERVATIONS 877

USAF F-4C 72-1450, A PREVIOUS FORM WHICH FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

LEND  
1950

HOSCOMBE DOWN UP

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

13.5	15.7	15.3	16.9	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
20.6	25.3	26.1	26.9	27.4	27.4	27.5	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
20.9	25.3	26.3	27.1	27.8	27.8	27.9	28.3	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
20.3	25.3	26.3	27.1	27.8	27.8	27.9	28.3	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
21.4	25.8	26.9	27.8	28.5	28.5	28.7	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
22.2	27.1	28.1	29.0	29.8	29.9	31.2	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
24.1	29.3	30.5	31.5	32.3	32.5	32.9	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
24.5	30.3	31.5	32.7	33.5	33.6	34.1	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
24.5	30.4	31.7	32.9	33.7	33.8	34.3	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
24.6	30.5	31.8	33.0	33.8	33.9	34.4	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
25.6	31.7	33.0	34.5	35.4	35.5	36.0	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
27.0	33.9	35.3	36.8	37.8	37.9	39.4	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
28.7	36.5	37.9	39.5	40.8	40.9	41.4	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
30.2	38.5	39.9	41.6	42.9	43.0	43.4	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
31.3	40.0	41.4	43.1	44.3	44.6	45.0	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
33.6	42.4	43.8	45.5	46.7	47.0	47.4	48.9	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
36.6	45.7	47.2	49.1	50.5	50.7	51.3	52.9	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
40.5	50.7	52.5	54.6	56.0	56.3	57.0	58.7	59.3	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
41.7	52.7	54.6	56.9	58.4	58.7	59.4	61.3	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
44.7	56.6	58.5	61.3	62.9	63.3	64.0	65.8	66.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
48.3	62.4	64.7	68.1	70.2	70.6	71.3	73.1	73.4	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
49.5	64.8	67.1	70.7	72.9	73.4	74.3	76.2	77.0	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
49.7	65.5	67.8	71.7	73.8	74.3	75.2	77.1	78.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
50.4	66.6	69.4	73.5	76.1	76.6	77.5	79.4	80.3	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
50.6	67.7	70.7	75.1	77.8	78.4	79.3	81.3	82.2	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
51.1	69.6	72.8	77.3	80.5	81.7	82.7	84.9	85.8	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
51.1	69.9	73.3	77.8	81.0	82.9	84.0	86.3	87.3	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
51.2	70.4	73.9	79.1	83.2	85.1	86.4	89.0	90.1	90.7	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
51.2	70.4	74.4	79.7	84.0	86.1	87.9	90.6	91.8	92.3	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
51.2	70.4	74.5	79.8	84.2	86.4	88.3	91.1	92.6	93.4	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
51.2	70.4	74.5	79.9	84.5	86.6	88.6	91.4	93.0	94.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
51.2	70.4	74.5	79.9	84.5	86.6	88.6	91.4	93.0	94.5	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS 675



GLOBAL CLIMATOLOGY BRANCH  
 CFAFSTAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1946-1950 BOSCOMBE DOWN UK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

13.5	17.7	17.3	18.2	18.7	18.8	19.1	19.4	19.5	19.7	19.7	19.7	19.7	19.7	19.7	19.7
24.0	29.8	30.4	31.4	31.9	32.0	32.4	33.1	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4
24.7	29.8	30.4	31.4	31.9	32.0	32.4	33.1	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4
24.1	29.9	30.6	31.6	32.2	32.3	32.6	33.3	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.6
24.6	30.4	31.1	32.3	32.8	33.0	33.3	34.0	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3
25.4	31.6	32.4	33.5	34.1	34.3	34.7	35.3	35.4	35.7	35.7	35.7	35.7	35.7	35.7	35.7
27.0	33.6	34.5	36.1	36.9	37.1	37.6	38.5	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8
27.3	34.0	34.9	36.8	37.6	37.8	38.3	39.2	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5
27.3	34.0	34.9	36.8	37.6	37.8	38.3	39.2	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5
27.5	34.2	35.1	37.0	37.8	38.1	38.5	39.4	39.5	39.8	39.8	39.8	39.8	39.8	39.8	39.8
27.7	34.7	35.6	37.5	38.3	38.5	39.0	39.9	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2
29.3	37.3	38.2	40.4	41.2	41.4	41.9	42.8	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1
30.7	39.0	39.9	42.4	43.1	43.4	43.8	44.8	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2
32.2	40.9	41.8	44.3	45.1	45.3	45.9	47.0	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3
33.9	42.6	43.5	46.0	46.8	47.1	47.7	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2
36.4	45.8	46.8	49.3	50.1	50.4	51.1	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5
38.3	48.9	51.4	53.1	53.9	54.4	55.0	56.2	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7
43.4	54.9	57.3	60.2	61.3	61.7	62.4	63.5	63.6	64.1	64.2	64.2	64.2	64.2	64.2	64.2
44.3	57.0	59.7	62.6	63.9	64.3	65.0	66.1	66.4	66.8	66.9	66.9	66.9	66.9	66.9	66.9
49.9	60.1	63.2	66.7	68.3	68.9	69.5	70.8	71.1	71.6	71.7	71.7	71.7	71.7	71.7	71.7
48.8	65.7	68.4	72.3	74.1	74.6	75.4	76.8	77.3	78.0	78.1	78.1	78.1	78.1	78.1	78.1
49.4	66.6	70.0	74.3	76.3	76.9	77.8	79.3	79.8	80.5	80.6	80.6	80.6	80.6	80.6	80.6
49.7	67.5	71.2	75.5	77.7	78.4	79.3	80.7	81.3	82.0	82.1	82.1	82.1	82.1	82.1	82.1
50.1	68.7	72.6	77.3	79.5	80.2	81.1	82.6	83.2	83.9	84.0	84.0	84.0	84.0	84.0	84.0
50.2	70.1	74.1	79.0	81.7	82.6	83.5	85.1	85.7	86.4	86.5	86.5	86.5	86.5	86.5	86.5
50.4	71.2	75.4	80.7	83.5	84.5	85.4	87.1	87.8	88.4	88.6	88.6	88.6	88.6	88.6	88.6
50.4	71.7	75.9	81.4	84.7	86.1	87.1	88.8	89.5	90.1	90.3	90.3	90.3	90.3	90.3	90.3
50.5	72.0	76.3	82.1	85.6	87.1	88.1	90.1	90.9	91.6	91.7	91.7	91.7	91.7	91.7	91.7
50.6	72.4	76.7	82.7	86.5	88.2	89.4	91.8	93.0	93.8	93.9	94.0	94.0	94.0	94.0	94.0
50.6	72.4	76.7	82.8	86.6	88.7	90.1	92.6	94.0	94.9	95.1	95.2	95.2	95.2	95.2	95.2
50.6	72.4	76.7	82.9	86.7	89.0	90.5	93.1	94.5	95.6	95.8	96.0	96.0	96.0	96.0	96.0
50.6	72.4	76.7	82.9	86.7	89.0	90.5	93.1	94.5	95.8	96.0	96.3	96.8	98.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

683



CLIMATE CLIMATOLOGY BRANCH  
S. F. TAC  
ATM. WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2

1947 BOSCOMBE DOWN UP

73-27

Jan

PER CENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1903-1900

17.2	23.6	24.7	25.3	27.5	27.9	28.7	29.2	29.7	30.0	30.0	30.0	30.1	30.2	30.2	30.4
22.5	31.7	32.7	34.5	36.5	37.4	38.1	38.8	39.4	39.7	39.7	39.7	39.8	40.0	40.0	40.3
22.5	31.7	32.7	34.5	36.5	37.4	38.1	38.8	39.4	39.7	39.7	39.7	39.8	40.0	40.0	40.3
23.7	32.5	33.5	35.6	37.5	38.4	39.2	39.8	40.4	40.7	40.7	40.7	40.9	41.0	41.0	41.3
23.7	33.4	34.7	36.6	38.5	39.4	40.2	40.9	41.4	41.8	41.8	41.8	41.9	42.0	42.0	42.3
24.5	34.9	36.1	38.3	40.2	41.1	42.1	43.0	43.6	43.9	43.9	43.9	44.0	44.1	44.1	44.5
25.1	35.7	36.9	39.1	41.0	41.9	42.9	43.9	44.5	44.8	44.8	44.8	44.9	45.0	45.0	45.4
25.1	35.7	36.9	39.1	41.0	41.9	42.9	43.9	44.5	44.8	44.8	44.8	44.9	45.0	45.0	45.4
25.2	35.9	37.1	39.3	41.2	42.1	43.1	44.1	44.7	45.0	45.0	45.0	45.1	45.3	45.3	45.6
25.2	36.1	37.5	39.6	41.5	42.4	43.5	44.5	45.0	45.4	45.4	45.4	45.5	45.6	45.6	45.9
25.6	37.2	38.8	41.0	42.9	43.9	44.9	46.0	46.6	47.0	47.0	47.0	47.1	47.2	47.2	47.5
26.7	37.7	39.3	41.5	43.7	44.9	45.9	47.1	47.6	48.0	48.0	48.0	48.1	48.2	48.2	48.5
27.2	39.1	40.7	43.0	45.1	46.5	47.5	48.6	49.2	49.5	49.5	49.5	49.7	49.8	49.8	50.1
27.7	39.8	42.7	44.2	46.4	47.7	48.8	49.9	50.5	50.8	50.8	50.8	51.0	51.1	51.1	51.5
29.2	42.4	44.7	47.1	49.3	50.7	51.7	52.8	53.4	53.7	53.7	53.7	54.0	54.1	54.1	54.4
31.3	46.4	49.0	52.0	54.3	55.9	56.9	58.0	58.6	58.9	59.0	59.0	59.3	59.4	59.4	59.7
34.8	51.7	54.7	58.5	60.9	62.8	63.8	64.9	65.5	65.8	66.0	66.0	66.3	66.4	66.4	66.7
35.0	53.4	56.8	60.6	63.2	65.0	66.0	67.3	67.8	68.3	68.5	68.5	68.7	68.8	68.8	69.2
36.6	55.3	59.1	63.8	66.6	68.5	69.5	70.9	71.4	71.9	72.1	72.1	72.3	72.5	72.5	72.8
38.9	59.5	64.0	69.2	72.3	74.6	75.6	77.3	77.7	78.1	78.3	78.3	78.6	78.7	78.7	79.0
39.2	60.4	65.1	70.8	74.2	76.4	77.4	78.9	79.6	80.1	80.4	80.4	80.6	80.7	80.7	81.0
39.4	60.8	65.6	71.3	74.8	77.2	78.2	79.7	80.4	80.9	81.2	81.2	81.4	81.5	81.5	81.8
39.7	61.9	66.8	72.8	76.3	78.8	79.8	81.3	81.9	82.6	82.8	82.8	83.1	83.2	83.2	83.5
39.8	62.6	67.7	73.9	77.7	80.6	81.7	83.3	84.0	84.7	84.9	84.9	85.1	85.2	85.2	85.6
40.2	64.0	69.3	75.3	79.3	82.5	83.6	85.4	86.1	86.9	87.1	87.1	87.4	87.5	87.5	87.8
40.2	64.3	69.7	76.0	80.6	83.7	85.0	87.0	87.7	88.5	88.7	88.7	88.9	89.1	89.1	89.4
40.3	65.0	70.5	77.2	81.8	85.0	86.3	88.9	89.7	90.5	90.7	90.7	91.0	91.2	91.2	91.5
40.4	65.2	70.8	77.9	82.7	85.9	87.4	90.5	91.4	92.3	92.6	92.6	92.9	93.1	93.1	93.5
40.4	65.3	70.9	78.1	83.2	86.7	88.1	91.8	92.9	94.1	94.5	94.5	94.8	95.0	95.0	95.4
40.4	65.3	70.9	78.1	83.2	86.7	88.1	92.2	93.5	95.5	95.8	95.8	96.3	96.6	96.6	97.1
40.4	65.3	70.9	78.1	83.2	86.7	88.1	92.2	93.5	95.6	96.0	96.0	97.0	97.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS

886



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

030450 J05COMBE DOWN UK

73-67

JA

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

01 000000

16.3	22.5	23.5	24.9	25.6	26.8	27.4	27.9	28.5	28.4	28.8	22.5	25.2	29.6	31.7	31.4
19.5	26.7	28.1	30.7	31.5	32.8	33.4	33.9	34.2	34.7	35.0	35.0	35.1	35.8	36.2	36.1
19.6	26.8	28.2	30.8	31.6	33.0	33.5	34.0	34.3	34.8	35.1	35.1	35.2	35.7	36.4	36.7
19.6	26.8	28.2	30.8	31.6	33.0	33.5	34.0	34.3	34.8	35.1	35.1	35.2	35.7	36.4	36.7
19.6	26.8	28.2	30.8	31.6	33.0	33.5	34.0	34.3	34.8	35.1	35.1	35.2	35.7	36.4	36.7
19.9	27.4	28.8	31.0	32.4	33.7	34.3	34.8	35.1	35.6	35.9	35.9	36.0	36.7	37.1	37.5
20.7	28.5	29.9	32.6	33.7	35.3	35.9	36.4	36.9	37.3	37.6	37.6	37.7	38.4	38.9	39.2
21.3	28.9	30.2	33.4	34.3	35.9	36.5	36.9	37.5	37.9	38.3	38.3	38.4	39.1	39.5	39.9
21.7	28.9	30.2	33.4	34.3	35.9	36.5	36.9	37.5	37.9	38.3	38.3	38.4	39.1	39.5	39.9
21.2	29.1	30.5	33.6	34.5	36.1	36.7	37.1	37.7	38.2	38.5	38.5	38.6	39.3	39.8	40.1
21.4	29.6	31.0	34.4	35.3	36.9	37.5	37.9	38.5	39.0	39.3	39.3	39.4	40.1	40.5	40.9
21.7	30.7	32.2	35.8	36.9	38.5	39.1	39.8	40.3	40.8	41.1	41.1	41.2	41.9	42.4	42.7
22.1	31.3	33.0	36.6	37.7	39.3	39.9	40.7	41.2	41.7	42.0	42.0	42.1	42.8	43.3	43.6
22.7	32.3	34.1	37.7	38.8	40.4	41.1	41.9	42.5	42.9	43.3	43.3	43.4	44.1	44.5	44.8
23.4	33.3	35.2	39.1	40.2	41.8	42.5	43.3	43.9	44.5	44.8	44.8	45.0	45.6	46.1	46.4
24.7	35.4	37.5	42.2	43.4	45.1	45.8	46.7	47.3	47.9	48.2	48.2	48.4	49.0	49.6	49.9
26.6	38.8	41.3	46.3	47.6	49.3	50.1	51.1	51.8	52.3	52.7	52.7	52.9	53.6	54.1	54.5
29.4	43.7	46.9	52.1	53.9	55.8	56.7	57.8	58.4	59.0	59.3	59.3	59.6	60.2	60.8	61.2
30.7	45.2	48.6	53.8	55.6	57.5	58.4	59.5	60.1	60.7	61.2	61.2	61.4	62.1	62.6	63.0
32.5	47.3	51.4	57.1	59.3	61.3	62.2	63.5	64.4	65.1	65.6	65.6	65.8	66.5	67.0	67.4
35.6	51.5	56.5	62.6	65.5	67.4	68.4	69.9	70.9	71.6	72.0	72.0	72.3	73.0	73.7	74.1
36.2	53.8	59.9	65.2	68.1	70.0	71.0	72.6	73.6	74.3	74.7	74.7	75.0	75.8	76.4	76.8
36.4	54.4	59.7	66.1	69.1	71.1	72.3	73.8	74.9	75.5	76.0	76.0	76.2	77.0	77.7	78.0
36.4	55.6	61.4	68.2	71.3	73.4	74.7	76.3	77.3	78.0	78.5	78.5	78.7	79.5	80.2	80.5
36.4	56.4	62.6	69.6	72.9	75.3	76.7	78.3	79.3	80.0	80.4	80.4	80.6	81.4	82.2	82.6
36.6	57.2	63.9	71.0	74.4	77.0	78.4	80.0	81.0	81.7	82.1	82.1	82.3	83.1	83.9	84.3
36.7	58.1	65.0	72.5	76.0	78.7	80.3	82.1	83.2	83.9	84.4	84.4	84.6	85.4	86.2	86.5
36.8	58.6	65.7	73.4	77.1	80.0	81.7	83.9	85.1	85.8	86.3	86.3	86.5	87.3	88.1	88.4
36.9	59.1	66.3	74.5	78	81.7	83.4	86.0	87.3	88.2	88.7	88.7	88.9	89.7	90.5	90.8
37.0	59.2	66.5	74.9	7	82.1	84.0	87.1	88.8	89.8	90.3	90.3	90.7	91.5	92.3	92.6
37.1	59.3	66.6	75.2	7	82.8	84.8	88.7	91.3	92.5	93.2	93.4	94.0	94.9	95.9	96.3
37.1	59.3	66.6	75.2	74.0	82.9	84.9	88.8	91.4	92.8	93.5	93.8	94.5	95.7	97.31	97.00

TOTAL NUMBER OF OBSERVATIONS 883



U.S. NAVAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE / MAC

# CEILING VERSUS VISIBILITY

4000' 1000' 500' 200' 100' 50' 20' 10' 5' 2' 1' 0'

73-1

24

15.1	19.5	27.1	31.2	31.9	32.5	33.0	33.5	33.9	34.6	35.9	37.4	39.0	40.7	42.4	44.1	45.8
21.5	26.7	27.8	29.2	30.1	30.9	31.5	32.3	32.9	32.8	32.9	32.9	33.0	33.0	33.0	33.0	33.0
27.7	26.8	27.9	29.3	30.2	31.0	31.5	32.4	32.7	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.0
33.8	28.9	29.1	29.4	30.3	31.1	31.7	32.5	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
39.2	27.3	29.4	29.9	30.8	31.6	32.2	33.0	33.3	33.9	33.4	33.6	33.7	34.1	34.1	34.1	34.1
41.7	28.3	29.4	30.9	31.7	32.8	33.4	34.2	34.5	34.7	34.4	34.8	34.9	35.0	35.0	35.0	35.0
43.1	30.7	31.7	32.8	33.8	34.6	35.4	36.3	36.5	36.9	36.9	37.0	37.1	37.1	37.1	37.1	37.1
43.6	31.6	31.9	33.0	34.7	35.6	36.3	37.2	37.5	37.8	37.5	37.9	37.9	38.0	38.0	38.0	38.0
43.8	30.9	32.1	33.9	34.9	35.6	36.5	37.5	37.8	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2
44.0	31.1	32.3	34.1	35.1	36.1	36.7	37.7	38.0	38.2	38.3	38.3	38.4	38.4	38.4	38.4	38.4
44.4	31.7	33.7	34.8	35.9	36.8	37.5	38.5	38.8	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2
45.0	33.5	34.9	36.9	38.7	39.0	39.7	40.6	41.1	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5
46.3	34.7	36.7	38.2	39.5	40.5	41.3	42.4	42.8	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2
47.3	36.2	37.7	39.9	41.2	42.2	43.0	44.2	44.5	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9
48.2	37.3	39.0	41.2	42.5	43.6	44.4	45.6	46.0	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4
48.3	40.7	41.4	44.3	45.7	46.8	47.6	48.8	49.3	49.7	49.7	49.8	49.9	49.9	49.9	49.9	49.9
49.7	43.3	45.3	46.1	49.6	50.8	51.7	53.0	53.6	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2
50.3	46.4	50.8	54.0	55.7	57.0	58.2	59.4	60.1	60.5	60.7	60.8	61.0	61.0	61.0	61.0	61.0
50.5	50.2	52.7	56.2	57.9	59.3	60.3	61.6	62.5	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1
50.2	52.3	55.9	59.5	61.5	63.0	64.0	65.6	66.3	66.4	67.0	67.1	67.1	67.1	67.1	67.1	67.1
41.5	57.2	57.7	64.8	67.0	68.6	69.7	71.4	72.7	72.8	73.0	73.1	73.3	73.3	73.3	73.3	73.3
42.5	59.3	63.1	67.3	69.7	71.3	72.5	74.3	75.1	75.7	75.9	76.0	76.2	76.2	76.2	76.2	76.2
42.3	60.2	64.7	69.5	70.9	72.6	73.8	75.6	76.4	77.1	77.2	77.3	77.5	77.5	77.5	77.5	77.5
43.3	61.5	65.7	70.5	73.0	74.8	76.0	77.8	78.7	79.4	79.5	79.6	79.8	79.8	79.8	79.8	79.8
43.7	62.8	67.7	72.2	75.0	76.9	78.2	80.1	80.9	81.7	81.9	81.9	82.2	82.2	82.2	82.2	82.2
43.4	64.1	68.7	73.9	76.9	79.1	80.4	82.4	83.3	84.1	84.3	84.4	84.7	84.7	84.7	84.7	84.7
44.0	64.6	69.4	74.8	78.0	80.3	81.8	83.9	84.9	85.7	85.9	86.0	86.2	86.2	86.2	86.2	86.2
44.1	65.1	69.9	75.7	79.2	81.6	83.1	85.5	86.5	87.5	87.7	87.8	88.1	88.1	88.1	88.1	88.1
44.2	65.4	70.4	76.4	80.3	82.9	84.6	87.3	88.6	89.5	89.8	89.9	90.2	90.2	90.2	90.2	90.2
44.2	65.5	70.5	76.5	80.7	83.6	85.5	88.5	90.1	91.2	91.6	91.7	92.1	92.1	92.1	92.1	92.1
44.2	65.5	70.5	76.5	80.9	83.7	85.9	89.4	91.3	92.8	93.4	93.6	94.1	94.1	94.1	94.1	94.1
44.2	65.5	70.5	76.5	80.9	83.9	86.0	89.5	91.5	93.1	93.8	94.1	94.8	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 7007



U.S. AIR CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE

# CEILING VERSUS VISIBILITY

4 WASHINGTON, D.C.

1950-51

1950-51

1. The following table shows the relationship between ceiling and visibility for the month of January, 1950-51.

100-1200

15.0	15.2	15.7	17.4	18.4	18.8	21.6	24.9	25.8	26.4	26.4	26.7	27.4	27.5	27.7	28.7
15.7	15.4	15.7	20.7	21.8	23.5	25.5	29.3	30.4	31.1	31.1	31.4	32.1	32.3	32.5	33.7
13.5	13.4	13.7	20.7	21.8	23.5	25.5	29.3	30.4	31.1	31.1	31.4	32.1	32.3	32.5	33.7
13.7	13.4	13.5	21.5	21.5	22.7	25.6	29.4	30.5	31.2	31.2	31.5	32.2	32.5	32.5	33.8
13.7	13.5	21.5	21.9	22.7	23.5	25.7	29.6	30.5	31.4	31.4	31.5	32.3	32.5	32.7	33.8
14.3	13.1	21.7	21.6	21.1	21.1	27.1	30.9	32.1	32.7	32.7	32.9	33.7	33.9	34.7	35.0
14.7	21.0	21.5	22.7	24.4	26.4	28.4	32.2	33.3	34.1	34.7	34.3	35.1	35.2	35.3	36.1
15.3	21.9	22.5	23.9	25.8	27.9	29.7	33.5	34.7	35.5	35.5	35.8	36.5	36.5	36.9	38.1
17.4	21.3	22.5	24.3	26.2	26.2	30.3	34.1	35.2	35.9	35.9	36.2	36.9	37.1	37.7	38.5
18.4	21.3	27.5	24.3	26.3	26.4	30.4	34.3	35.7	36.1	36.1	36.3	37.2	37.3	37.4	38.5
15.7	21.5	27.3	24.9	26.9	29.1	31.1	35.1	36.1	36.3	36.3	37.1	37.9	38.1	38.2	39.4
16.7	21.1	24.2	27.0	29.2	31.5	33.5	37.6	38.7	39.4	39.5	39.8	40.5	41.7	41.9	42.1
17.1	21.5	25.5	27.8	30.0	32.3	34.6	38.5	39.5	40.3	40.4	40.6	41.3	41.6	41.7	42.1
17.2	24.1	25.1	26.2	31.5	32.8	35.3	39.3	40.5	41.3	41.5	41.7	42.4	42.7	42.8	44.1
17.4	24.5	26.4	28.8	31.1	33.4	35.9	40.0	41.5	42.2	42.3	42.5	43.3	43.5	43.5	44.5
18.5	26.9	27.8	31.7	34.4	36.9	39.4	43.6	45.1	45.5	45.9	46.2	46.9	47.1	47.2	48.4
20.3	29.3	31.5	34.9	38.7	40.7	43.3	47.5	48.9	49.5	49.8	50.2	50.7	51.0	51.1	52.3
22.0	32.7	35.1	39.1	42.5	45.6	48.2	52.4	53.9	54.7	54.8	55.0	55.9	56.1	56.3	57.5
23.1	35.4	35.9	39.9	43.4	46.5	49.2	53.4	54.9	55.5	55.5	56.1	57.7	57.2	57.7	58.5
24.3	35.3	37.7	42.2	45.2	49.5	52.3	56.6	58.1	59.1	59.3	59.5	60.3	60.5	60.7	61.8
25.3	36.6	41.5	47.4	51.7	55.5	59.9	63.3	64.9	66.0	66.1	66.3	67.2	67.4	67.5	68.5
27.2	40.3	43.9	49.6	54.7	57.7	61.3	66.1	67.7	68.5	68.9	69.1	70.0	70.3	70.4	71.5
27.5	41.5	45.5	51.4	55.8	59.7	63.1	67.9	69.6	70.7	70.8	71.1	71.9	72.0	72.4	73.5
28.4	42.3	47.2	53.1	57.7	61.9	65.3	70.1	71.9	73.0	73.1	73.3	74.2	74.5	74.6	75.8
29.7	44.5	48.5	55.2	59.9	64.2	67.5	72.4	74.2	75.2	75.4	75.6	76.4	76.5	76.9	78.1
29.7	45.8	51.0	56.7	61.8	67.1	70.7	75.8	77.4	78.7	78.8	79.1	79.9	80.3	80.4	81.6
27.2	46.9	51.2	56.2	63.8	69.2	73.3	79.1	80.8	81.9	82.1	82.2	83.1	83.4	83.5	84.7
28.3	47.5	51.8	59.3	65.1	70.8	75.0	80.9	82.7	83.9	84.1	84.4	85.2	85.6	85.7	86.9
28.4	48.1	52.5	60.3	66.3	72.1	76.3	83.5	85.5	87.1	87.4	87.6	88.5	88.8	88.9	90.1
31.4	48.2	53.7	60.6	67.2	73.1	77.5	84.7	87.1	89.1	89.3	89.5	90.5	91.0	91.1	92.3
32.4	48.7	53.7	60.9	67.4	73.3	78.1	85.6	88.2	90.5	91.2	91.5	92.4	93.0	93.3	94.5
32.4	48.2	53.0	60.9	67.4	73.3	78.1	85.6	88.2	90.7	91.5	92.2	93.2	95.3	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS 870



## CEILING VERSUS VISIBILITY

7-000000 DOWN JK

73-62

535

1. DATE 11/11/01

17-572

12.2	18.1	17.1	18.2	19.7	19.9	20.8	23.5	24.4	25.5	25.5	25.5	25.4	27.6	26.7	26.7
13.9	18.6	19.6	21.4	23.1	24.1	25.1	28.4	29.8	30.5	30.5	30.5	30.7	31.6	31.9	33.3
13.7	18.6	19.6	21.4	23.1	24.1	25.1	28.4	29.8	30.5	30.5	30.5	30.7	31.6	31.9	33.3
13.9	18.6	19.6	21.4	23.1	24.1	25.1	28.4	29.8	30.5	30.5	30.5	30.7	31.6	31.9	33.3
13.7	18.6	19.6	21.4	23.1	24.1	25.1	28.4	29.8	30.5	30.5	30.5	30.7	31.6	31.9	33.3
14.2	19.1	20.2	22.0	24.7	24.9	25.9	29.4	30.7	31.4	31.4	31.4	31.7	32.9	32.9	34.0
14.7	20.0	21.3	23.3	25.3	25.4	27.3	30.6	32.2	32.9	32.9	32.9	33.1	34.1	34.2	35.7
14.3	20.2	21.7	23.7	25.8	26.9	27.8	31.3	32.7	33.4	33.4	33.4	33.6	34.5	34.7	36.1
15.1	20.5	22.0	24.1	26.1	27.2	28.2	31.6	33.1	33.9	33.9	33.9	34.1	34.9	35.2	36.6
15.2	20.7	22.2	24.2	26.3	27.3	28.4	32.0	33.4	34.1	34.1	34.1	34.3	35.2	35.4	36.9
15.8	21.3	22.8	24.8	26.9	28.0	29.0	32.7	34.3	34.7	34.7	34.7	34.9	35.8	36.0	37.5
16.4	22.2	23.7	25.8	27.8	28.9	30.0	33.6	34.9	35.7	35.7	35.8	36.0	37.0	37.2	38.7
16.7	23.0	24.4	26.6	28.7	29.8	30.8	34.6	36.0	36.7	36.7	36.9	37.1	38.1	38.3	39.8
17.1	23.6	25.2	27.3	29.5	30.6	31.7	35.7	37.1	37.8	38.0	38.1	38.3	39.3	39.5	41.0
17.5	24.2	25.8	28.0	30.1	31.2	32.3	36.4	37.8	38.6	38.7	38.8	39.0	40.0	40.2	41.7
19.2	26.3	27.8	30.8	33.1	34.6	35.8	40.0	41.4	42.2	42.3	42.4	42.8	43.7	44.0	45.4
20.7	28.4	30.0	33.7	36.4	38.2	39.5	44.1	45.7	46.4	46.5	46.6	47.0	48.0	48.2	49.6
22.5	31.3	32.9	36.7	40.1	41.6	43.4	48.2	49.8	50.6	50.7	50.8	51.2	52.2	52.4	53.9
23.1	32.0	33.6	37.7	41.1	42.9	44.6	49.4	51.3	52.4	52.5	52.7	53.0	54.0	54.2	55.7
24.6	34.0	35.6	40.5	44.0	45.8	48.1	53.0	54.9	56.0	56.1	56.3	56.6	57.6	57.8	59.3
26.1	37.0	39.7	45.2	49.2	51.0	53.5	58.7	60.6	61.8	62.0	62.2	62.5	63.5	63.7	65.2
27.5	39.3	41.6	47.6	52.0	54.3	57.1	62.3	64.2	65.4	65.7	65.8	66.1	67.1	67.3	68.8
28.7	40.2	42.7	48.9	53.3	55.5	58.3	63.5	65.4	66.6	66.9	67.0	67.3	68.3	68.5	70.0
28.2	41.0	43.7	50.4	54.8	57.2	60.0	65.2	67.2	68.4	68.7	68.8	69.2	70.1	70.4	71.8
28.3	41.9	44.5	52.2	56.7	59.4	62.2	67.5	69.5	70.7	71.0	71.1	71.4	72.4	72.7	74.1
28.6	43.1	47.1	54.0	58.8	61.6	64.8	70.4	72.7	73.9	74.1	74.2	74.6	75.7	75.9	77.3
28.7	43.7	47.8	54.8	59.1	63.0	66.5	72.4	74.7	75.9	76.1	76.4	76.7	77.8	78.1	79.5
28.9	44.2	48.4	55.5	61.2	64.3	68.1	74.5	76.9	78.1	78.3	78.6	78.9	80.0	80.2	81.7
28.8	44.9	49.3	57.1	63.0	66.7	70.6	78.2	81.7	82.4	82.7	83.1	83.6	84.7	84.9	86.4
28.8	44.9	49.4	57.8	64.3	68.2	72.2	80.6	83.9	85.3	85.8	86.4	86.9	88.0	88.2	89.6
28.8	44.9	49.4	57.8	64.3	68.4	72.4	81.0	84.6	86.5	87.7	88.4	88.9	90.4	90.7	93.0
23.8	44.9	49.4	57.8	64.3	68.4	72.4	81.4	85.2	87.2	88.7	89.4	90.1	92.5	93.7	96.0

TOTAL NUMBER OF OBSERVATIONS 630



GLOBAL CLIMATOLOGY BRANCH  
 DAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

19450 BOSCOMBE DOWN UP

73-67

FEB

PER CENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1600-2600

9.7	13.7	14.2	15.2	15.7	16.6	17.2	18.8	19.1	19.8	20.2	20.2	20.3	21.4	21.4	22.5
11.3	16.4	17.0	18.2	18.8	20.4	21.3	23.3	23.8	24.7	25.1	25.2	25.4	26.5	26.6	27.9
11.8	16.4	17.5	18.2	18.8	20.4	21.4	23.4	24.0	25.0	25.3	25.4	25.7	26.8	26.9	28.1
11.8	16.4	17.0	18.2	18.8	20.4	21.4	23.4	24.0	25.0	25.3	25.4	25.7	26.8	26.9	28.1
11.8	16.4	17.0	18.2	18.8	20.4	21.4	23.4	24.0	25.0	25.3	25.4	25.7	26.8	26.9	28.1
12.3	16.8	17.4	18.9	19.6	21.3	22.2	24.3	24.9	25.8	26.2	26.3	26.5	27.6	27.7	28.9
12.7	17.4	18.2	19.6	20.3	22.0	23.2	25.3	26.0	27.0	27.5	27.6	27.8	28.9	29.7	30.2
13.0	17.7	18.6	20.3	21.0	22.7	24.0	26.2	26.9	27.8	28.3	28.4	28.7	29.7	29.9	31.1
13.1	17.8	19.0	20.7	21.4	23.1	24.4	26.5	27.2	28.2	28.7	28.8	29.0	30.1	30.2	31.4
13.3	17.9	19.1	20.8	21.5	23.2	24.5	26.6	27.4	28.3	28.8	28.9	29.2	30.2	30.3	31.5
13.4	18.0	19.4	21.1	21.9	23.5	24.9	27.0	27.7	28.7	29.2	29.3	29.5	30.6	30.7	31.9
14.5	19.7	21.4	23.2	24.0	25.7	27.0	29.2	29.9	30.8	31.3	31.4	31.7	32.7	33.0	34.2
15.5	21.1	22.8	24.6	25.6	27.2	28.6	30.7	31.0	33.0	33.5	33.6	33.8	34.9	35.1	36.3
15.8	21.7	23.4	25.2	26.2	28.0	29.3	31.8	33.0	34.2	34.6	34.8	35.0	36.1	36.3	37.5
15.9	22.1	23.8	25.6	26.6	28.4	29.7	32.4	33.6	34.8	35.2	35.4	35.6	36.7	36.9	38.1
17.1	23.9	25.6	27.6	28.9	31.3	32.9	35.8	37.0	38.4	38.8	38.9	39.2	40.3	40.5	41.7
19.0	26.6	28.6	30.7	32.4	34.9	36.7	39.7	40.9	42.3	42.8	42.9	43.1	44.2	44.4	45.6
21.1	30.5	32.7	35.7	37.8	40.4	42.4	45.8	47.0	48.4	48.9	49.0	49.2	50.4	50.7	51.9
21.5	31.3	33.5	37.2	39.2	41.8	43.8	47.3	48.5	50.2	50.7	50.8	51.0	52.2	52.4	53.6
22.6	32.6	35.5	39.4	41.6	44.4	46.5	50.1	51.3	53.2	53.6	53.8	54.0	55.2	55.4	56.8
25.0	36.4	39.4	43.7	46.5	49.7	52.0	55.8	57.0	58.9	59.5	59.6	59.9	61.1	61.3	62.6
25.4	37.4	40.5	45.6	49.1	52.3	54.6	58.4	59.7	61.6	62.2	62.4	62.6	63.8	64.0	65.4
25.8	38.5	41.1	46.2	49.7	52.9	55.3	59.1	60.5	62.4	63.0	63.1	63.3	64.5	64.8	66.1
25.9	38.7	42.2	47.4	51.3	54.7	57.2	61.1	62.6	64.5	65.1	65.2	65.5	66.7	66.9	68.2
26.5	40.4	44.0	49.9	54.0	57.7	60.3	64.3	65.8	67.7	68.3	68.6	68.8	70.0	70.3	71.6
27.1	41.6	45.8	52.1	56.3	60.3	63.0	67.0	68.6	70.5	71.1	71.3	71.6	72.8	73.0	74.3
27.1	42.1	46.8	53.4	57.6	61.6	64.3	68.8	70.6	72.8	73.4	73.6	73.8	75.0	75.3	76.6
27.4	42.8	47.8	54.6	59.1	63.4	66.2	71.6	73.8	76.3	76.9	77.2	77.4	78.6	78.9	80.2
27.4	43.0	48.1	55.4	61.1	66.2	69.3	75.1	77.7	80.4	81.0	81.2	81.5	82.7	82.9	84.2
27.4	43.2	48.4	55.8	61.9	67.3	70.6	77.1	79.7	82.8	83.5	83.8	84.1	85.7	85.9	87.3
27.4	43.2	48.4	55.8	61.9	67.3	70.6	77.8	80.5	84.5	85.4	86.1	87.1	88.9	89.6	92.1
27.4	43.2	48.4	55.8	61.9	67.3	70.6	77.8	80.6	84.8	85.8	87.0	89.0	91.4	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 837



GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

2

## CEILING VERSUS VISIBILITY

137450 BOSCOMBE DOWN UK

73-87

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1900-1100

6.3	9.9	10.4	11.8	12.7	13.4	14.6	15.3	16.1	16.7	17.0	17.1	17.1	17.3	17.6	17.9
11.8	16.3	17.2	18.5	19.6	20.9	22.8	23.8	24.8	25.5	25.8	26.0	26.1	26.3	26.6	26.9
11.3	16.3	17.2	18.5	19.7	21.1	23.0	23.9	25.0	25.8	26.2	26.3	26.4	26.7	26.9	27.2
11.3	16.3	17.2	18.5	19.7	21.1	23.0	23.9	25.0	25.8	26.2	26.3	26.4	26.7	26.9	27.2
12.4	17.3	18.3	19.6	20.9	22.2	24.3	25.2	26.3	27.2	27.5	27.6	27.8	28.0	28.2	28.5
13.4	18.3	19.3	20.7	22.1	23.6	25.8	26.8	27.9	28.7	29.2	29.3	29.4	29.7	29.9	30.1
14.1	19.3	20.5	22.0	23.8	25.4	27.6	28.7	29.8	30.7	31.2	31.3	31.5	31.7	31.9	32.2
15.1	20.3	21.7	23.6	25.6	27.2	29.4	30.5	31.6	32.5	33.1	33.3	33.4	33.6	33.9	34.1
15.1	20.3	21.7	23.8	25.8	27.4	29.7	30.7	31.8	32.8	33.4	33.5	33.6	33.9	34.1	34.3
15.1	20.3	21.7	23.8	25.8	27.4	29.7	30.7	31.8	32.8	33.4	33.5	33.6	33.9	34.1	34.3
15.3	20.8	22.4	24.6	26.7	28.2	30.5	31.6	32.7	33.6	34.2	34.3	34.4	34.7	34.9	35.2
16.4	21.9	23.4	26.1	28.2	29.8	32.1	33.1	34.2	35.2	35.8	35.9	36.0	36.2	36.5	36.7
17.1	23.1	24.6	27.8	30.3	31.9	34.2	35.5	36.7	37.7	38.3	38.4	38.5	38.9	39.1	39.4
17.5	24.2	26.1	29.1	31.6	33.3	35.6	37.6	38.9	39.8	40.4	40.6	40.7	41.3	41.5	41.7
17.7	24.6	26.4	29.7	32.2	33.9	36.2	38.2	39.5	40.4	41.0	41.1	41.3	41.5	42.1	42.3
18.1	25.8	27.9	31.3	34.0	35.6	38.2	40.4	41.7	42.7	43.3	43.4	43.5	44.1	44.4	44.6
19.1	27.0	29.2	32.7	35.4	37.1	39.6	42.1	43.4	44.5	45.1	45.3	45.5	46.1	46.3	46.5
20.9	30.3	32.5	36.6	39.5	41.1	43.7	46.2	47.5	48.6	49.4	49.6	49.9	50.5	50.7	51.0
22.4	32.5	34.9	39.4	42.2	43.9	46.5	49.3	50.6	51.5	52.6	53.0	53.1	53.7	53.9	54.2
24.4	34.9	37.3	42.7	45.7	47.4	50.0	53.0	54.3	55.5	56.3	56.7	56.8	57.4	57.7	57.9
26.8	38.5	41.3	47.2	51.1	53.0	56.0	59.0	60.3	61.5	62.7	63.3	63.2	63.9	64.1	64.4
27.8	40.1	42.9	49.3	53.8	55.9	58.9	62.0	63.3	64.5	65.7	66.0	66.1	66.9	67.1	67.3
28.2	41.1	44.0	50.4	55.0	57.2	60.2	63.3	64.6	65.8	67.0	67.3	67.5	68.2	68.4	68.7
28.6	41.9	45.1	51.4	56.5	58.6	61.6	64.7	66.0	67.2	68.4	68.8	68.9	69.6	69.9	70.1
28.9	42.6	45.9	52.6	57.9	60.4	63.5	66.7	68.1	69.3	70.6	70.9	71.1	71.8	72.0	72.2
28.9	43.3	47.0	53.9	59.6	62.2	65.3	68.9	70.2	71.4	72.7	73.1	73.2	73.9	74.2	74.4
29.2	43.9	48.3	55.5	61.5	64.2	67.5	71.4	73.0	74.5	75.8	76.2	76.3	77.0	77.3	77.5
29.3	44.3	49.2	56.5	63.4	66.4	70.1	75.0	76.6	78.3	79.9	80.3	80.4	81.1	81.3	81.6
29.4	44.5	49.6	57.7	65.3	68.5	72.5	78.5	80.4	82.7	84.3	84.7	84.8	85.5	85.8	86.0
29.4	44.6	49.8	57.8	66.0	69.3	74.0	80.6	83.4	86.0	87.8	88.2	88.6	89.5	89.8	90.2
29.4	44.6	49.8	57.8	66.3	69.7	74.5	81.5	84.3	87.3	89.1	89.6	90.2	91.6	92.0	92.9
29.4	44.6	49.8	57.8	66.3	69.7	74.5	81.5	84.3	88.2	90.0	90.4	91.1	94.4	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 636



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

137460 BOSCOMBE DOWN UK

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1330-1400

9.7	12.3	12.4	14.1	15.3	15.8	16.2	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
15.6	21.0	21.5	23.5	24.9	25.8	26.4	27.1	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
15.7	21.1	21.6	23.7	25.2	26.0	26.6	27.3	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
15.8	21.3	21.7	23.8	25.3	26.1	26.7	27.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
16.8	22.4	22.9	25.0	26.5	27.3	27.9	28.7	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
18.0	24.2	24.7	27.2	28.8	29.6	30.3	31.1	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
19.4	26.2	26.7	29.8	31.5	32.3	32.9	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
19.4	26.9	27.5	30.5	32.2	33.0	33.7	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.2	35.2
19.7	27.2	27.8	31.0	32.8	33.7	34.3	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.8	35.8
19.8	27.3	27.9	31.1	32.9	33.8	34.4	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	36.0	36.0
20.0	28.2	28.8	32.0	33.8	34.6	35.4	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9	36.9
22.0	31.0	31.6	35.2	37.1	37.9	38.8	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.5	40.5
22.7	32.6	33.5	37.3	39.1	40.2	41.1	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	42.9
23.8	34.0	35.5	39.2	41.6	42.9	44.0	45.3	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2
24.7	35.2	36.7	40.5	42.8	44.1	45.3	46.5	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4
26.6	36.9	38.4	42.4	44.7	46.1	47.1	48.5	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3
28.3	39.2	40.8	45.1	47.6	49.0	50.1	51.4	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2
33.2	45.3	47.0	51.4	54.7	56.0	57.2	58.7	59.3	59.5	59.7	59.7	59.7	59.7	59.7	59.8	59.8
34.8	47.6	49.6	54.2	57.6	59.2	60.4	62.0	62.6	62.8	62.9	62.9	62.9	62.9	62.9	63.1	63.1
36.9	51.2	53.1	57.8	61.7	63.3	64.5	66.2	66.8	67.1	67.2	67.3	67.3	67.3	67.3	67.4	67.4
40.2	56.7	59.3	64.8	69.0	70.8	72.1	73.8	74.4	74.6	74.7	74.6	74.6	74.6	74.8	75.0	75.0
40.8	58.6	61.0	66.8	71.4	73.3	74.5	76.2	76.9	77.2	77.4	77.5	77.5	77.5	77.5	77.6	77.6
41.1	59.3	61.7	67.6	72.3	74.1	75.3	77.2	77.9	78.1	78.4	78.5	78.5	78.5	78.5	78.6	78.6
41.3	59.9	62.3	68.3	73.8	75.6	76.9	78.9	79.6	80.0	80.2	80.3	80.3	80.3	80.3	80.4	80.4
42.0	61.4	63.9	70.6	76.4	78.4	79.7	81.9	82.7	83.1	83.4	83.5	83.5	83.5	83.5	83.6	83.6
42.0	62.0	64.8	71.9	78.1	80.4	81.9	84.4	85.3	85.8	86.0	86.1	86.1	86.1	86.1	86.3	86.3
42.2	62.3	65.4	72.8	79.3	81.7	83.5	86.1	87.2	87.7	88.0	88.1	88.1	88.1	88.1	88.2	88.2
42.2	62.8	65.9	73.8	80.7	83.0	85.3	88.3	89.7	90.2	90.4	90.5	90.5	90.5	90.5	90.6	90.6
42.2	63.1	66.3	74.4	81.9	84.2	86.6	89.9	91.7	92.6	93.0	93.1	93.1	93.1	93.1	93.2	93.2
42.2	63.1	66.3	74.4	82.5	85.1	87.8	91.9	93.7	95.0	95.4	95.5	95.7	95.7	95.7	95.9	95.9
42.2	63.1	66.3	74.4	82.5	85.4	88.5	92.6	94.8	96.6	97.1	97.2	97.7	97.7	97.7	97.8	97.8
42.2	63.1	66.3	74.4	82.5	85.4	88.5	92.6	94.8	96.6	97.3	97.4	98.2	98.3	98.3	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 823



2  
GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1960 BOSCOMBE DOWN UK

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

10.4	12.7	13.1	15.0	15.6	15.6	16.8	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
18.2	23.6	24.1	26.4	27.4	27.5	28.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
18.2	23.6	24.1	26.4	27.4	27.5	28.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
18.3	23.7	24.2	26.5	27.5	27.6	28.8	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
18.9	24.6	25.2	27.5	28.5	28.6	29.8	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
19.5	25.5	26.2	28.6	29.5	29.8	31.0	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
20.5	27.2	28.1	30.5	31.5	31.7	32.9	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
21.2	28.2	29.1	31.7	32.7	32.9	34.3	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
21.2	28.7	29.5	32.2	33.3	33.7	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
21.3	28.9	29.8	32.4	33.5	33.9	35.4	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
21.7	29.5	30.4	33.1	34.3	34.6	36.1	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
22.4	31.7	32.7	35.6	36.8	37.2	38.6	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
24.1	34.1	35.1	38.3	40.0	40.3	41.8	43.1	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
25.7	36.4	37.5	40.6	42.5	43.0	44.4	45.8	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
27.2	38.0	39.2	42.5	44.2	44.7	46.1	47.5	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
29.7	41.3	42.5	45.9	47.6	48.1	49.5	50.8	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
32.6	45.3	46.9	50.4	52.5	53.0	54.5	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
36.7	51.0	53.3	57.3	59.7	60.3	61.9	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
38.6	54.1	56.8	61.3	63.7	64.4	66.1	67.7	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
40.3	56.5	59.6	64.6	67.3	68.0	69.7	71.7	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
41.6	59.4	62.8	68.4	71.7	72.4	74.2	76.5	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
42.1	60.7	64.4	70.2	73.7	74.7	76.5	78.8	79.4	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
42.5	61.1	65.3	71.7	75.3	76.4	78.2	80.5	81.1	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
42.5	61.5	65.9	72.6	76.9	78.1	80.0	82.6	83.4	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
42.5	62.1	66.8	73.7	78.2	79.5	81.6	84.5	85.4	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
42.6	62.8	67.8	75.1	80.0	81.4	83.4	86.6	87.4	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
42.6	63.3	68.3	75.8	81.0	82.6	84.6	87.8	88.6	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5
42.7	64.2	69.1	76.6	82.0	83.9	86.2	89.3	90.8	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8
42.7	64.3	69.4	77.0	82.6	84.6	87.3	90.7	92.4	93.1	93.5	93.5	93.6	93.6	93.6	93.6	93.6
42.7	64.4	69.7	77.4	83.4	85.5	88.1	92.1	94.3	95.3	95.8	95.8	95.9	95.9	95.9	95.9	95.9
42.7	64.4	69.7	77.4	83.5	86.0	88.7	93.3	95.6	97.0	97.7	97.7	97.8	97.8	97.8	97.8	97.8
42.7	64.4	69.7	77.4	83.5	86.0	88.7	93.3	95.6	97.1	97.8	97.9	98.1	98.4	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS

826



GLOBAL CLIMATOLOGY BRANCH  
 CMAFLTAG  
 AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7407 BOSCOMBE DOWN UK

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1800-2000

15.7	20.7	21.4	23.0	24.5	25.9	26.6	27.7	28.7	29.4	28.5	28.5	29.5	29.5	28.5	28.5
20.1	26.7	27.8	30.0	31.5	32.9	33.6	34.8	35.4	35.5	35.6	35.6	35.6	35.7	35.7	35.7
20.1	26.8	27.9	30.1	31.6	33.0	33.7	34.9	35.5	35.6	35.7	35.7	35.7	35.9	35.9	35.9
20.1	26.8	27.9	30.1	31.6	33.0	33.7	34.9	35.5	35.6	35.7	35.7	35.7	35.9	35.9	35.9
20.2	27.1	28.2	30.3	32.0	33.3	34.1	35.3	35.9	36.0	36.1	36.1	36.1	36.2	36.2	36.2
20.3	27.4	28.5	30.9	32.6	33.9	34.7	35.9	36.5	36.6	36.7	36.7	36.7	36.8	36.8	36.8
20.7	28.4	29.4	33.2	34.9	36.9	37.8	39.1	39.7	39.8	40.0	40.0	40.0	40.1	40.1	40.1
21.2	28.8	30.4	33.4	35.3	37.3	38.4	39.7	40.3	40.4	40.6	40.6	40.6	40.7	40.7	40.7
21.2	28.9	30.9	33.7	35.4	37.4	38.5	40.0	40.7	40.8	40.9	40.9	40.9	41.0	41.0	41.0
21.2	28.9	30.9	33.6	35.5	37.7	38.7	40.2	40.9	41.0	41.2	41.2	41.2	41.3	41.3	41.3
21.3	29.5	31.5	34.4	36.1	38.3	39.5	40.9	41.8	41.9	42.0	42.0	42.0	42.1	42.1	42.1
21.7	30.8	33.0	36.0	37.7	40.0	41.2	42.7	43.6	43.7	43.8	43.8	43.8	43.9	43.9	43.9
22.6	32.6	34.8	38.0	39.8	41.2	43.4	45.1	46.0	46.1	46.2	46.2	46.2	46.3	46.3	46.3
22.6	32.9	35.1	38.4	40.3	42.8	44.2	46.0	46.8	47.1	47.2	47.2	47.2	47.3	47.3	47.3
23.1	33.8	36.0	39.5	41.4	43.9	45.2	47.3	48.1	48.4	48.5	48.5	48.5	48.6	48.6	48.6
24.4	36.7	38.9	42.7	44.9	47.5	48.9	50.9	51.7	52.0	52.1	52.1	52.1	52.2	52.2	52.2
26.3	39.8	42.1	46.1	48.9	51.5	52.8	54.9	55.7	56.0	56.1	56.1	56.1	56.2	56.2	56.2
28.3	44.5	47.1	51.4	54.9	57.5	59.0	61.1	62.0	62.2	62.3	62.3	62.3	62.5	62.5	62.5
29.8	46.9	50.2	55.0	58.5	61.5	63.1	65.2	66.1	66.4	66.5	66.5	66.5	66.7	66.7	66.7
30.9	49.1	53.2	58.0	61.7	64.9	66.4	69.3	70.3	70.8	70.9	70.9	70.9	71.0	71.0	71.0
31.5	51.5	56.7	61.5	65.8	69.2	71.0	74.5	75.5	76.1	76.2	76.2	76.2	76.3	76.3	76.3
31.9	52.8	57.6	63.7	68.0	71.7	73.6	77.5	78.7	79.4	79.5	79.5	79.5	79.7	79.7	79.7
32.0	53.2	58.5	64.5	68.8	72.9	74.8	78.9	80.1	80.9	81.0	81.0	81.0	81.1	81.1	81.1
32.1	54.2	59.6	65.9	70.6	74.7	76.7	81.1	82.4	83.3	83.4	83.4	83.4	83.5	83.5	83.5
32.4	54.8	60.2	66.8	72.0	76.7	78.6	83.5	84.8	85.7	85.8	85.8	85.8	85.9	85.9	85.9
32.4	54.8	60.4	67.3	72.6	77.5	79.5	84.7	86.3	87.1	87.2	87.2	87.2	87.4	87.4	87.4
32.5	55.2	61.7	68.0	73.4	78.8	80.9	86.3	87.8	88.7	88.8	88.9	88.9	89.0	89.0	89.0
32.6	55.8	62.0	69.2	74.8	80.3	82.6	88.2	89.8	90.6	90.7	90.9	90.9	91.0	91.0	91.0
32.6	56.1	62.3	69.6	75.7	81.1	83.4	89.4	91.2	92.4	92.5	92.8	92.8	92.9	92.9	92.9
32.6	56.1	62.7	70.0	76.4	81.9	84.2	90.3	92.4	93.9	94.0	94.2	94.3	94.5	94.5	94.5
32.6	56.1	62.7	70.3	76.9	82.6	85.0	91.7	94.5	96.0	96.1	96.5	96.8	96.9	97.5	97.5
32.6	56.1	62.7	70.3	76.9	82.6	85.0	91.7	94.6	96.1	96.5	96.9	97.5	98.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 831

DATA FROM 1973-82. ALL VALUES ARE IN PERCENTS. VALUES IN PARENTHESES ARE OBSERVED



GLOBAL CLIMATOLOGY BRANCH  
 C/AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

177407 BOSCOMBE DOWN UK

73-62

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0100-2300

13.4	19.1	19.4	23.9	22.3	24.2	25.5	26.7	28.3	26.4	28.5	28.5	26.8	29.1	29.3	29.4
15.0	22.2	23.1	25.3	26.9	28.9	30.5	31.9	33.5	33.6	33.7	33.7	33.9	34.3	34.4	34.5
15.0	22.2	23.1	25.3	26.9	28.9	30.5	31.9	33.5	33.6	33.7	33.7	33.9	34.3	34.4	34.5
15.0	22.2	23.1	25.3	26.9	28.9	30.5	31.9	33.5	33.6	33.7	33.7	33.9	34.3	34.4	34.5
15.0	22.2	23.1	25.3	26.9	28.9	30.5	31.9	33.5	33.6	33.7	33.7	33.9	34.3	34.4	34.5
15.1	23.6	24.6	26.9	28.8	30.8	32.4	33.9	35.5	35.6	35.7	35.7	36.0	36.3	36.5	36.6
15.3	24.0	24.9	27.3	29.3	31.7	33.3	34.9	36.5	36.6	36.7	36.7	36.9	37.3	37.4	37.5
15.5	24.2	25.5	27.9	29.9	32.3	33.9	35.5	37.1	37.2	37.3	37.3	37.5	37.9	38.0	38.1
15.5	24.3	25.7	28.1	30.0	32.4	34.2	35.7	37.3	37.4	37.5	37.5	37.8	38.1	38.2	38.4
15.5	24.3	25.7	28.1	30.0	32.4	34.3	35.9	37.4	37.5	37.6	37.6	37.9	38.2	38.4	38.5
16.1	24.9	26.7	29.1	31.3	33.7	35.6	37.3	38.8	39.0	39.1	39.1	39.3	39.7	39.8	39.9
18.0	27.6	29.6	32.0	34.4	36.9	39.0	40.9	42.4	42.7	42.8	42.8	43.0	43.4	43.5	43.6
18.7	28.5	30.8	33.0	35.4	38.1	40.2	42.2	43.8	44.0	44.1	44.1	44.5	44.8	45.0	45.1
19.1	28.9	31.2	33.6	36.0	38.7	40.9	43.2	44.8	45.1	45.2	45.2	45.6	45.9	46.0	46.2
19.3	29.4	31.7	34.3	36.7	39.7	41.8	44.5	46.2	46.4	46.5	46.5	46.9	47.2	47.4	47.5
20.3	32.6	34.9	37.9	40.6	43.6	45.8	48.4	50.1	50.4	50.5	50.5	50.8	51.2	51.3	51.4
21.9	35.4	37.9	41.4	44.2	47.2	49.4	52.0	53.7	54.0	54.1	54.1	54.4	54.8	54.9	55.0
24.0	39.1	42.0	46.3	49.4	52.8	54.9	57.6	59.2	59.6	59.7	59.7	60.1	60.4	60.6	60.7
24.3	40.3	43.3	47.7	50.8	54.4	56.6	59.5	61.2	61.8	61.9	61.9	62.2	62.6	62.7	62.8
25.3	42.0	45.2	49.8	53.6	57.3	59.6	62.5	64.1	64.7	64.9	64.9	65.2	65.6	65.7	65.8
26.7	44.5	48.2	54.2	58.3	62.7	65.2	68.8	70.6	71.2	71.3	71.3	71.7	72.1	72.2	72.3
27.5	45.7	49.8	56.4	61.0	65.7	68.3	72.1	73.9	74.5	74.6	74.6	74.9	75.3	75.4	75.5
27.7	46.9	51.1	57.7	62.5	67.3	69.9	73.7	75.5	76.1	76.3	76.3	76.6	77.0	77.1	77.2
27.9	47.8	52.4	59.0	64.0	69.2	72.1	76.1	77.9	78.5	78.7	78.7	79.0	79.4	79.5	79.6
28.1	48.8	53.4	60.6	65.7	71.5	74.3	78.8	80.7	81.3	81.4	81.4	81.8	82.1	82.3	82.4
28.3	50.4	55.2	62.6	69.0	73.9	76.9	81.5	83.5	84.1	84.2	84.2	84.5	85.0	85.1	85.3
28.5	50.7	55.5	63.1	68.6	74.6	77.6	82.7	84.9	85.5	85.6	85.6	86.0	86.5	86.6	86.7
28.5	51.1	56.4	64.6	70.4	76.7	80.2	85.5	87.8	88.5	88.6	88.6	89.0	89.4	89.6	89.7
28.5	52.3	57.7	66.3	72.3	78.7	82.3	88.4	90.8	91.7	91.8	91.8	92.2	92.7	92.8	92.9
28.7	52.4	57.8	66.5	72.8	79.3	83.1	89.4	92.0	93.2	93.5	93.5	93.9	94.4	94.5	94.6
28.7	52.4	57.8	66.5	72.8	79.5	83.3	90.3	92.9	94.5	95.7	95.7	96.0	96.5	96.8	96.9
28.7	52.4	57.8	66.5	72.8	79.5	83.3	90.3	92.9	94.6	96.0	96.0	96.8	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

834



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

## CEILING VERSUS VISIBILITY

117467 BOSCOMBE DOWN UK

73-87

FEB

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

11.2	15.1	15.7	16.9	17.9	18.9	19.9	21.4	22.1	22.5	22.6	22.6	22.8	23.1	23.2	23.7
15.0	20.4	21.3	23.0	24.2	25.5	26.7	28.5	29.2	29.7	29.8	29.8	30.0	30.4	30.5	31.0
15.0	20.4	21.3	23.0	24.3	25.6	26.8	28.5	29.3	29.8	29.9	30.0	30.2	30.5	30.6	31.1
15.1	20.4	21.3	23.1	24.3	25.6	26.8	28.6	29.4	29.8	29.9	30.0	30.2	30.6	30.7	31.2
15.4	20.9	21.8	23.5	24.8	26.1	27.3	29.1	29.9	30.3	30.5	30.5	30.7	31.1	31.2	31.7
15.9	21.7	22.7	24.6	26.0	27.4	28.7	30.4	31.3	31.7	31.8	31.9	32.1	32.4	32.5	33.1
16.6	22.8	24.3	26.0	27.6	29.1	30.4	32.3	33.2	33.6	33.8	33.8	34.0	34.4	34.5	35.0
16.9	23.4	24.7	26.9	28.5	30.0	31.4	33.3	34.2	34.6	34.8	34.9	35.1	35.4	35.5	36.1
17.0	23.5	25.0	27.2	28.9	30.4	31.8	33.7	34.6	35.1	35.2	35.3	35.5	35.8	36.0	36.5
17.1	23.7	25.0	27.3	29.0	30.5	32.0	33.9	34.8	35.2	35.4	35.4	35.6	36.0	36.1	36.7
17.4	24.2	25.6	28.0	29.7	31.2	32.7	34.7	35.6	36.1	36.2	36.3	36.5	36.8	37.0	37.5
18.5	26.0	27.5	30.1	31.9	33.5	35.0	37.1	38.0	38.5	38.7	38.7	38.9	39.2	39.4	40.0
19.3	27.3	28.9	31.6	33.6	35.3	36.8	39.0	40.0	40.5	40.7	40.8	41.0	41.4	41.5	42.0
19.8	28.2	29.9	32.7	34.7	36.5	38.2	40.5	41.5	42.2	42.4	42.5	42.7	43.1	43.2	43.8
20.3	29.0	30.7	33.6	35.6	37.4	39.1	41.6	42.7	43.2	43.4	43.5	43.7	44.1	44.3	44.8
21.7	31.3	33.1	36.3	38.5	40.4	42.2	44.8	45.9	46.5	46.7	46.7	47.0	47.4	47.5	48.1
23.4	33.9	35.8	39.3	41.9	43.9	45.7	48.4	49.6	50.2	50.4	50.4	50.7	51.1	51.2	51.8
26.1	38.1	40.3	44.3	47.3	49.4	51.3	54.1	55.3	55.9	56.2	56.3	56.5	57.0	57.1	57.6
27.2	39.8	42.2	46.5	49.5	51.8	53.8	56.7	57.9	58.7	58.9	59.0	59.3	59.7	59.8	60.4
28.6	41.9	44.6	49.3	52.7	55.0	57.1	60.3	61.5	62.3	62.6	62.7	62.9	63.4	63.5	64.1
30.5	45.3	48.5	54.0	57.9	60.5	62.8	66.3	67.5	68.4	68.7	68.8	69.1	69.5	69.7	70.2
31.2	46.8	50.2	56.1	60.4	63.2	65.6	69.1	70.4	71.4	71.7	71.8	72.1	72.5	72.7	73.2
31.6	47.7	51.2	57.3	61.5	64.5	66.9	70.5	71.8	72.7	73.1	73.2	73.4	73.9	74.0	74.5
31.3	48.5	52.3	58.5	63.2	66.2	68.7	72.4	73.9	74.8	75.2	75.3	75.5	76.0	76.1	76.7
32.2	49.5	53.5	60.2	65.1	68.0	70.9	74.9	76.4	77.3	77.7	77.8	78.1	78.6	78.7	79.2
32.4	50.4	54.7	61.7	66.9	70.5	73.2	77.4	78.9	79.9	80.3	80.4	80.7	81.2	81.3	81.8
32.6	51.3	55.5	62.7	68.1	71.9	74.7	79.3	80.9	82.0	82.4	82.5	82.8	83.3	83.4	84.0
32.7	51.5	56.3	63.7	69.6	73.6	76.7	81.6	83.5	84.6	85.1	85.2	85.5	86.0	86.1	86.7
32.7	52.0	56.9	64.7	71.0	75.2	78.6	84.2	86.3	87.8	88.3	88.5	88.7	89.2	89.4	89.9
32.7	52.1	57.1	65.0	71.8	76.1	79.7	85.8	88.3	90.0	90.6	90.8	91.2	91.8	92.7	92.5
32.7	52.1	57.1	65.1	71.9	76.5	80.1	86.7	89.4	91.6	92.5	92.8	93.4	94.1	94.4	95.4
32.7	52.1	57.1	65.1	71.9	76.5	80.1	86.7	89.5	91.9	93.0	93.4	94.3	95.8	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS

6642



GLOBAL CLIMATOLOGY BRANCH  
JAFSTAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

450 LOSCOMBE DOWN UK

73-82

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1000-1200

21.3	26.5	28.2	30.9	32.0	33.2	34.3	36.0	36.2	36.6	36.8	36.7	36.7	37.2	37.3	37.5
25.4	31.5	33.7	36.7	38.2	39.7	41.1	43.1	43.3	43.8	43.8	43.9	43.9	44.3	44.4	44.7
25.4	31.5	33.7	36.7	38.2	39.7	41.1	43.1	43.3	43.8	43.8	43.9	43.9	44.3	44.4	44.7
25.4	31.5	33.7	36.7	38.2	39.7	41.1	43.1	43.3	43.8	43.8	43.9	43.9	44.3	44.4	44.7
25.9	31.9	34.1	37.2	38.6	40.2	41.7	43.7	43.9	44.3	44.3	44.4	44.4	44.7	45.0	45.2
26.2	32.5	34.9	38.0	39.4	40.9	42.5	44.4	44.7	45.1	45.1	45.2	45.2	45.7	45.8	46.0
27.1	33.4	35.9	39.2	40.7	42.2	43.8	45.8	46.0	46.4	46.4	46.5	46.5	47.0	47.1	47.3
27.5	33.9	36.3	39.6	41.1	42.7	44.2	46.2	46.4	46.9	46.9	47.0	47.0	47.4	47.5	47.7
27.7	34.1	36.5	39.8	41.4	42.9	44.4	46.4	46.6	47.1	47.1	47.2	47.2	47.6	47.7	48.0
27.7	34.3	36.7	40.2	41.7	43.2	44.8	46.8	47.0	47.4	47.4	47.5	47.5	48.0	48.1	48.3
28.2	34.9	37.3	40.7	42.2	43.8	45.3	47.3	47.5	48.0	48.0	48.1	48.1	48.5	48.6	48.8
29.5	36.6	39.3	43.2	45.0	46.8	48.4	50.7	50.9	51.4	51.4	51.5	51.5	51.9	52.0	52.3
29.9	37.4	40.0	44.2	46.2	48.1	49.7	52.1	52.4	52.8	52.8	52.9	52.9	53.4	53.5	53.7
30.6	38.7	41.4	45.5	47.6	49.5	51.2	53.3	54.0	54.5	54.5	54.6	54.6	55.0	55.1	55.3
31.2	39.5	42.4	46.5	48.6	50.5	52.1	54.8	55.0	55.4	55.4	55.6	55.6	56.0	56.1	56.3
33.1	42.2	45.1	49.3	51.4	53.2	54.9	57.5	57.8	58.2	58.2	58.3	58.3	58.7	58.9	59.1
35.4	46.2	49.4	54.0	56.1	58.1	59.7	62.4	62.6	63.0	63.0	63.1	63.1	63.6	63.7	63.9
36.7	48.5	52.3	56.9	59.2	61.4	63.0	65.7	65.9	66.3	66.3	66.4	66.4	66.9	67.0	67.2
37.4	49.3	53.4	58.2	60.5	62.7	64.4	67.0	67.2	67.7	67.7	67.7	67.8	67.8	68.2	68.5
38.4	50.7	55.0	60.0	62.5	65.0	66.7	69.4	69.6	70.2	70.2	70.3	70.3	70.7	70.8	71.1
39.3	53.8	58.9	64.0	66.7	69.2	70.8	73.9	74.1	74.7	74.7	74.8	74.8	75.2	75.4	75.6
40.7	56.0	61.2	66.4	69.1	71.7	73.5	76.8	77.1	77.7	77.7	77.8	77.8	78.2	78.3	78.5
41.1	57.1	62.4	68.0	70.6	73.3	75.0	78.3	78.7	79.2	79.2	79.3	79.3	79.8	79.9	80.1
41.7	58.2	63.8	69.6	72.3	75.1	76.9	80.7	81.1	81.6	81.6	81.7	81.7	82.2	82.3	82.5
41.7	59.3	65.3	71.5	74.1	77.1	78.9	82.8	83.2	83.7	83.7	83.8	83.8	84.3	84.4	84.6
42.0	60.2	66.6	72.9	76.0	79.5	81.5	85.6	85.9	86.5	86.5	86.6	86.6	87.0	87.1	87.3
42.0	60.4	66.7	73.8	77.0	80.5	82.6	86.8	87.1	87.7	87.7	87.8	87.8	88.2	88.3	88.6
42.2	60.9	67.4	74.7	78.0	81.7	83.8	88.7	89.2	89.8	89.9	90.0	90.0	90.4	90.5	90.8
42.5	61.8	68.9	76.6	80.3	84.3	86.6	91.7	92.6	93.2	93.3	93.4	93.4	93.8	93.9	94.2
42.5	61.9	69.1	76.9	80.9	84.8	87.2	92.7	94.5	95.0	95.2	95.3	95.3	95.7	95.8	96.0
42.5	62.0	69.3	77.2	81.3	85.5	88.0	93.6	95.6	96.8	97.2	97.6	97.6	98.2	98.3	98.8
42.5	62.0	69.3	77.2	81.3	85.5	88.0	93.6	95.6	96.9	97.6	97.9	97.9	98.7	98.8	99.0

TOTAL NUMBER OF OBSERVATIONS

909



2  
CLIMATOLOGY BRANCH  
AFSTAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1960 DECEMBER DOWN UP

73-33

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 1-HOUR OBSERVATIONS

0300-0500

14.2	15.4	19.9	23.4	25.2	26.3	27.3	29.5	30.2	30.7	37.6	30.8	31.2	31.9	32.2	32.7
18.4	23.4	24.9	28.7	31.2	32.2	33.4	35.3	36.5	37.1	37.2	37.2	37.6	38.3	38.6	39.2
18.4	23.5	25.1	28.8	31.3	32.3	33.6	35.9	36.6	37.2	37.3	37.3	37.7	38.4	38.7	39.3
18.4	23.5	25.1	28.8	31.3	32.3	33.6	35.9	36.6	37.2	37.3	37.3	37.7	38.4	38.7	39.3
18.7	23.7	25.3	29.5	31.6	32.6	33.9	36.2	37.7	37.5	37.6	37.6	38.1	38.7	39.1	39.6
19.0	24.4	26.0	29.8	32.5	33.6	35.0	37.3	38.1	38.6	38.7	38.7	39.2	39.8	40.2	40.7
19.9	25.3	27.2	30.9	33.7	34.9	36.3	38.6	39.4	40.0	40.1	40.1	40.5	41.2	41.5	42.1
20.3	25.7	27.6	31.3	34.1	35.3	36.8	39.1	39.8	40.4	40.5	40.5	40.9	41.6	41.9	42.5
20.5	26.0	27.9	31.7	34.4	35.7	37.1	39.4	40.2	40.7	40.8	40.8	41.3	41.9	42.3	42.8
20.6	26.0	27.9	31.7	34.4	35.7	37.1	39.4	40.2	40.7	40.8	40.8	41.3	41.9	42.3	42.8
21.3	27.2	29.4	33.1	35.9	37.1	38.5	40.8	41.5	42.2	42.3	42.3	42.7	43.4	43.7	44.3
22.5	28.8	31.1	34.9	37.9	39.3	40.9	43.6	44.6	45.1	45.3	45.3	45.7	46.4	46.7	47.2
23.0	29.4	31.8	35.9	38.9	40.3	41.9	44.8	45.7	46.2	46.4	46.4	46.8	47.5	47.8	48.3
23.5	30.6	33.0	37.1	40.1	41.5	43.2	46.0	46.9	47.5	47.6	47.6	48.0	48.7	49.0	49.6
24.3	31.5	33.8	38.0	40.9	42.4	44.5	46.9	47.8	48.3	48.5	48.5	48.9	49.6	49.9	50.4
25.5	33.3	36.4	40.8	43.9	45.4	47.0	50.0	50.9	51.4	51.5	51.5	52.0	52.6	53.7	53.5
28.4	37.5	41.2	45.9	49.0	50.4	52.1	55.2	56.1	56.6	56.7	56.7	57.2	57.8	58.2	58.7
30.8	41.2	44.8	49.8	53.1	54.6	56.3	59.4	60.4	61.1	61.3	61.3	61.7	62.4	62.7	63.2
31.7	42.4	45.1	51.3	55.0	56.6	58.3	61.4	62.4	63.1	63.2	63.2	63.3	64.5	64.8	65.3
33.1	44.8	49.7	54.5	58.4	60.0	61.7	64.8	65.8	66.7	66.8	66.8	67.3	68.0	68.4	69.0
34.4	48.1	53.7	58.5	62.5	64.3	66.0	69.1	70.1	71.0	71.1	71.1	71.6	72.3	72.7	73.3
35.5	49.9	54.7	60.6	64.6	66.4	68.1	71.2	72.3	73.2	73.3	73.3	73.8	74.5	74.9	75.5
35.3	50.7	55.5	61.5	65.5	67.4	69.1	72.2	73.3	74.2	74.3	74.3	74.8	75.5	75.9	76.5
36.1	51.3	56.3	62.5	66.6	68.8	70.5	73.7	74.8	75.7	75.8	75.8	76.4	77.0	77.5	78.1
36.3	52.4	57.5	63.8	68.0	70.2	72.1	75.3	76.4	77.3	77.4	77.4	77.9	78.6	79.0	79.6
36.8	54.5	59.9	67.0	71.4	73.8	75.7	79.0	80.1	81.0	81.1	81.1	81.7	82.3	82.8	83.3
37.1	55.7	61.4	69.0	73.5	76.4	78.5	82.0	83.1	84.1	84.2	84.2	84.8	85.4	85.9	86.4
37.1	55.8	61.9	70.1	74.9	77.8	79.9	83.7	84.8	85.9	86.0	86.0	86.5	87.2	87.6	88.2
37.1	56.5	62.8	71.9	76.7	79.8	82.0	86.2	87.3	88.6	88.7	88.7	89.3	90.0	90.4	90.9
37.1	57.0	63.2	72.4	77.6	81.1	83.7	88.4	90.1	91.5	91.6	91.6	92.2	92.8	93.3	93.8
37.1	57.0	63.2	72.6	78.1	81.8	84.4	90.0	91.7	93.6	93.7	93.7	94.3	94.9	95.4	96.1
37.1	57.0	63.2	72.6	78.1	81.8	84.4	90.0	91.8	93.9	94.2	94.3	95.1	96.5	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 936



JOINT CLIMATE LOG BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

400 BOSCOMBE DOWN DR

73-87

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1600-0800

9.3	11.5	12.2	14.7	15.3	17.3	18.1	19.2	19.6	21.0	20.2	20.3	21.1	21.5	21.9	22.7
13.2	17.7	19.1	21.9	24.0	25.4	26.5	28.2	28.8	29.2	29.4	29.5	31.3	31.1	31.7	32.3
13.2	17.7	19.1	21.9	24.0	25.4	26.5	28.2	28.8	29.2	29.4	29.5	31.3	31.1	31.7	32.3
13.2	17.8	19.2	22.0	24.1	25.5	26.6	28.3	28.9	29.3	29.5	29.6	30.4	31.3	31.6	32.9
13.5	18.4	19.8	22.8	25.3	26.4	27.7	29.4	30.5	30.4	30.6	30.7	31.5	32.3	32.9	34.1
14.2	20.2	21.7	24.8	27.1	28.5	29.9	31.6	32.2	32.6	32.8	32.9	33.7	34.5	35.1	36.3
15.7	21.9	23.6	26.6	29.1	30.7	32.1	34.0	34.6	35.3	35.2	35.3	36.1	37.0	37.5	38.7
16.8	22.8	24.5	27.5	29.9	31.6	33.1	35.0	35.6	36.0	36.2	36.3	37.1	37.9	38.5	39.7
17.1	23.4	25.7	28.1	30.5	32.1	33.7	35.5	36.2	36.5	36.7	36.8	37.6	38.5	39.0	40.2
17.3	23.8	26.4	28.5	30.9	32.6	34.1	36.0	36.6	37.0	37.2	37.3	38.0	38.9	39.5	40.7
17.9	24.7	26.3	29.4	31.8	33.6	35.2	37.1	37.7	38.0	38.3	38.4	39.1	40.0	40.6	41.8
18.6	26.3	28.1	31.4	34.1	36.0	37.8	39.7	40.5	40.8	41.2	41.3	42.1	43.0	43.5	44.7
19.7	27.6	29.5	33.1	35.9	37.7	39.6	41.6	42.3	42.7	43.1	43.2	44.0	44.8	45.4	46.6
20.6	28.9	30.8	34.4	37.4	39.3	41.2	43.4	44.2	44.5	45.0	45.1	45.8	46.7	47.3	48.5
20.7	29.4	31.4	35.1	38.2	40.0	42.2	44.4	45.2	45.5	45.9	46.1	46.8	47.8	48.4	49.6
22.8	31.7	33.8	37.8	41.0	42.9	45.2	47.4	48.1	48.5	48.9	49.3	49.8	50.8	51.3	52.5
24.6	34.2	36.3	40.5	43.8	45.6	47.9	50.1	51.5	51.8	51.9	52.6	53.6	54.2	55.4	
27.4	37.7	39.8	44.1	47.7	49.7	52.0	54.2	55.2	55.5	55.9	56.0	56.8	57.8	58.3	59.5
27.7	38.6	40.7	45.1	48.7	50.8	53.1	55.3	56.3	56.6	57.0	57.1	57.9	58.9	59.5	60.7
29.1	40.6	43.0	47.6	51.8	53.8	56.3	58.6	59.5	59.9	60.3	60.4	61.2	62.2	62.8	64.0
31.3	45.2	47.5	52.6	57.0	59.3	61.7	64.4	65.4	65.8	66.3	66.4	67.2	68.2	68.9	70.1
32.1	47.5	50.0	55.5	59.9	62.3	64.8	67.5	68.5	69.0	69.5	69.6	70.4	71.4	72.0	73.2
33.1	48.5	51.0	56.5	60.9	63.3	65.8	68.5	69.5	70.0	70.5	70.6	71.4	72.4	73.0	74.2
33.4	49.6	52.1	57.6	62.2	64.7	67.3	70.1	71.1	71.5	72.0	72.1	72.9	73.9	74.6	75.8
34.7	51.0	53.6	59.3	64.1	66.8	69.5	72.6	73.6	74.1	74.7	74.8	75.5	76.5	77.2	78.4
34.4	52.7	55.8	61.7	67.0	69.8	72.8	75.9	76.9	77.4	78.0	78.1	78.8	79.8	80.5	81.7
34.5	53.4	56.9	63.2	69.5	71.4	74.3	77.4	78.4	79.1	79.6	79.7	80.5	81.5	82.1	83.3
34.3	54.3	58.0	64.7	70.4	73.5	76.4	80.0	81.3	81.9	82.5	82.6	83.3	84.3	85.0	86.2
34.3	54.6	58.6	65.7	71.5	74.7	77.6	81.5	82.9	83.6	84.1	84.2	85.0	86.1	86.7	87.9
34.9	54.7	59.3	66.0	72.4	76.2	79.4	84.0	85.7	87.0	87.6	87.8	88.6	89.8	90.5	91.7
34.3	54.7	59.8	66.1	73.0	77.0	80.2	85.5	87.6	89.0	90.1	90.5	91.3	93.1	93.9	95.7
34.9	54.7	59.8	66.1	73.0	77.0	80.2	85.5	87.8	89.8	91.1	91.7	92.9	95.7	96.8	98.0

TOTAL NUMBER OF OBSERVATIONS

112



U. S. AIR FORCE CLIMATOLOGY BRANCH  
WAFB TAC  
U. S. WEATHER SERVICE/AMAC

## CEILING VERSUS VISIBILITY

2

4 LORCOMBE DOWN, OK

73-82

MAE

PER CENTAGE FREQUENCY OF OCCURRENCE  
15 DAY HOURLY OBSERVATIONS

000-1100

12.5	16.6	17.7	18.8	19.8	21.2	21.6	21.3	22.5	22.7	23.1	23.1	23.2	23.7	23.7	23.7
18.3	24.9	26.4	28.1	29.6	31.3	32.3	33.3	33.6	33.6	34.1	34.1	34.2	34.2	34.2	34.2
19.3	24.9	26.4	28.1	29.6	31.3	32.3	33.3	33.6	33.6	34.1	34.1	34.2	34.2	34.2	34.2
19.3	24.9	26.4	28.1	29.6	31.3	32.3	33.3	33.6	33.8	34.1	34.1	34.2	34.2	34.2	34.2
17.6	26.2	27.5	29.4	3 .9	32.7	33.7	34.7	34.9	35.1	35.4	35.4	35.5	35.5	35.5	35.5
20.5	27.6	29.4	31.2	32.8	34.5	35.8	36.8	37.2	37.2	37.5	37.5	37.6	37.7	37.7	37.7
21.6	27.8	31.5	33.4	35.1	36.9	38.1	39.1	39.3	39.5	39.8	39.8	40.1	40.1	40.1	40.1
22.3	30.7	32.5	34.5	36.5	38.3	39.5	40.5	40.7	40.9	41.2	41.3	41.4	41.5	41.5	41.6
22.4	31.0	32.8	34.9	36.9	38.6	39.8	40.8	41.1	41.3	41.6	41.6	41.7	41.8	41.9	41.9
22.5	31.2	33.7	35.1	37.1	38.9	40.1	41.1	41.3	41.5	41.8	41.8	41.9	42.1	42.1	42.2
22.3	32.0	33.3	35.9	37.9	39.6	40.9	42.1	42.4	42.5	42.9	42.9	43.2	43.2	43.2	43.3
23.0	32.9	34.9	37.1	39.3	41.1	42.5	43.6	43.9	44.2	44.5	44.5	44.6	44.7	44.7	44.7
24.6	34.7	36.8	39.1	41.3	43.0	44.7	45.8	46.1	46.4	46.7	46.7	46.8	46.9	46.9	47.0
26.3	36.8	39.0	41.4	43.7	45.6	47.2	48.3	48.7	48.9	49.2	49.2	49.3	49.4	49.4	49.5
26.6	37.4	39.6	42.2	44.5	46.4	48.5	49.1	49.6	49.8	50.1	50.1	50.2	50.3	50.3	50.4
27.9	38.9	41.1	43.7	46.1	48.0	49.7	50.8	51.2	51.4	51.8	51.8	51.9	52.1	52.2	52.1
29.7	41.1	43.4	46.3	48.5	50.3	52.0	53.1	53.5	53.6	54.1	54.1	54.2	54.3	54.3	54.4
34.5	46.7	49.1	52.0	54.6	56.6	58.4	59.5	59.9	60.2	60.5	60.5	60.6	60.7	60.7	60.8
36.0	49.6	51.9	54.9	57.6	59.6	61.4	62.5	62.9	63.1	63.5	63.5	63.6	63.7	63.7	63.8
39.3	52.6	55.1	58.1	60.8	62.8	64.6	65.7	66.1	66.3	66.7	66.7	66.8	66.9	66.9	67.0
42.3	57.2	60.4	63.7	66.7	68.7	70.4	71.5	72.0	72.2	72.5	72.5	72.6	72.7	72.7	72.8
43.7	59.8	63.6	67.2	70.2	72.3	74.2	75.4	75.8	76.2	76.5	76.5	76.6	76.7	76.7	76.8
44.3	61.3	65.7	68.9	71.9	74.1	76.5	77.3	77.7	78.0	78.4	78.4	78.5	78.6	78.6	78.7
44.0	63.0	67.7	71.1	74.1	76.5	78.8	80.2	80.7	81.0	81.3	81.3	81.5	81.6	81.6	81.7
45.8	64.6	69.7	73.0	76.0	78.6	81.0	82.7	83.1	83.4	83.8	83.8	83.9	84.0	84.0	84.1
46.2	65.8	71.2	74.7	78.3	80.9	83.8	85.8	86.4	86.8	87.1	87.1	87.2	87.3	87.3	87.4
46.2	66.5	72.3	75.8	79.6	82.5	85.4	87.7	88.5	89.1	89.5	89.5	89.6	89.7	89.7	89.8
46.2	66.3	71.4	76.8	81.3	84.7	88.0	90.7	91.6	92.2	92.7	92.7	92.8	92.9	92.9	93.0
46.2	66.6	71.7	77.6	82.2	85.7	89.4	92.2	93.5	94.3	94.9	94.9	95.0	95.1	95.1	95.3
46.2	66.7	72.0	77.8	82.7	86.2	90.0	93.0	94.5	95.8	96.7	96.7	96.8	96.9	96.9	97.0
46.2	66.7	72.7	77.8	82.8	86.3	90.2	93.5	95.0	96.8	97.8	97.9	98.2	98.7	98.7	98.9
46.2	66.7	72.7	77.8	82.8	86.3	90.2	93.5	95.1	96.9	98.7	99.2	99.6	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

979



## CEILING VERSUS VISIBILITY

[illegible]

73-41

• 4 •

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• • •

[illegible]

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 434



4A.  
45-2-172

[illegible]

TOTAL NUMBER OF OBSERVATIONS

517



## CEILING VERSUS VISIBILITY

73-67

M A 3

U.S. DEPARTMENT OF COMMERCE  
BUREAU OF ECONOMIC ANALYSIS

1490-2135

[illegible]

TO1 NUMBER OF OBSERVATIONS

922



## CEILING VERSUS VISIBILITY

73-67

MA-

413-2377

27.1	29.6	31.8	33.8	35.7	37.4	38.5	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
27.2	35.3	37.7	39.8	42.7	44.5	45.4	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5
27.3	35.3	37.7	39.6	42.7	44.6	45.4	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5
27.2	35.3	37.7	39.8	42.7	44.6	45.4	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5
27.5	35.6	38.7	40.1	43.0	45.0	45.7	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.9
27.6	36.0	38.9	41.0	44.3	46.3	47.0	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.2
27.7	36.3	39.3	41.3	44.7	46.7	47.5	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7
28.2	36.6	39.6	41.7	45.1	47.1	47.9	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1
28.3	37.0	39.9	42.0	45.4	47.5	48.2	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.5
28.3	37.1	41.0	42.2	45.6	47.7	48.5	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7
28.7	36.2	41.1	43.3	46.7	48.9	49.7	50.7	50.9	50.8	50.8	50.8	50.8	50.8	50.8	51.1
28.8	40.6	43.9	46.6	50.1	52.5	53.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.7
30.6	41.4	44.7	47.6	51.1	53.6	54.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.9
31.5	42.7	45.9	48.8	52.3	54.8	55.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.1
32.6	44.3	47.3	50.1	53.6	56.3	57.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7
34.3	47.5	50.9	54.1	57.7	60.3	61.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.7
36.5	50.2	53.8	57.0	60.6	63.3	64.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.7
38.3	53.9	57.9	61.1	64.8	67.4	68.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.8
39.5	56.9	60.1	63.4	67.2	70.0	70.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.4
40.9	58.1	62.4	65.7	69.6	72.4	73.4	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.9
41.9	60.6	65.1	68.6	72.8	75.5	76.5	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
42.4	62.5	67.3	71.5	75.7	78.4	79.5	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.4
42.4	63.5	68.1	72.9	77.1	79.8	81.0	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.9
42.4	63.8	69.0	73.9	78.1	80.8	82.1	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2
42.5	64.8	70.3	75.3	79.7	82.0	84.0	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2
43.1	65.6	71.1	76.4	81.3	84.2	85.9	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5
43.2	66.2	72.0	77.5	82.5	85.5	87.3	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.2
43.9	67.3	73.2	79.2	84.2	87.7	89.6	92.0	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.6
44.0	67.9	74.1	80.4	85.9	89.9	91.9	94.7	95.8	96.2	96.3	96.3	96.3	96.3	96.3	96.6
44.0	68.3	74.8	81.4	86.8	91.0	93.0	96.3	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.5
44.0	68.3	74.8	81.4	86.8	91.0	93.0	96.3	98.5	99.0	99.1	99.2	99.2	99.2	99.3	99.6
44.0	68.3	74.3	81.4	86.8	91.0	93.0	96.8	98.5	99.1	99.2	99.3	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 912



CLERICAL CLIMATOLOGY BRANCH  
 USAFCTAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

3745 BOSCOMBE DOWN UK

73-30

MAP

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOUR OBSERVATIONS

15.0	20.3	21.7	23.4	24.6	25.5	26.1	27.0	27.2	27.4	27.5	27.5	27.7	27.9	28.0	28.2
22.1	28.1	27.9	32.0	33.7	34.9	35.6	36.7	37.0	37.2	37.3	37.3	37.5	37.7	37.8	38.1
22.2	28.2	37.7	32.0	33.7	34.9	35.7	36.8	37.7	37.2	37.3	37.3	37.5	37.7	37.9	38.1
22.2	28.2	30.0	32.1	33.8	34.9	35.7	36.8	37.1	7.3	37.4	37.4	37.5	37.8	37.9	38.2
22.7	28.9	30.7	32.8	34.6	35.7	36.5	37.6	37.9	38.1	38.2	38.2	39.4	38.6	39.7	39.7
23.3	29.9	31.9	34.1	36.0	37.1	38.0	39.1	39.4	39.6	39.7	39.7	39.9	40.1	40.3	40.6
24.3	31.3	33.4	35.7	37.6	38.8	39.7	40.8	41.1	41.3	41.4	41.4	41.6	41.8	42.0	42.2
24.7	32.0	34.0	36.4	38.3	39.6	40.5	41.6	41.9	42.1	42.2	42.2	42.4	42.6	42.7	43.0
25.1	32.3	34.4	36.7	38.7	39.9	40.8	42.0	42.2	42.4	42.5	42.5	42.7	43.0	43.1	43.4
25.2	32.5	34.6	37.0	38.9	40.2	41.0	42.2	42.5	42.7	42.8	42.8	42.9	43.2	43.3	43.6
25.7	33.4	35.5	37.8	39.8	41.1	42.0	43.2	43.5	43.7	43.8	43.8	44.0	44.2	44.3	44.6
27.1	35.5	37.9	40.6	42.7	44.1	45.2	46.4	46.7	46.9	47.1	47.1	47.3	47.5	47.6	47.9
28.5	37.3	39.8	42.6	44.9	46.3	47.4	48.7	49.7	49.3	49.4	49.4	49.6	49.8	50.0	50.2
29.9	39.2	41.7	44.6	46.9	48.4	49.5	50.9	51.2	51.4	51.6	51.6	51.8	52.0	52.1	52.4
30.7	40.3	42.8	45.8	48.1	49.6	50.8	52.2	52.5	52.7	52.8	52.8	53.0	53.3	53.4	53.7
32.8	43.1	45.8	49.0	51.4	52.9	54.1	55.5	55.8	56.0	56.1	56.1	56.3	56.6	56.7	57.0
35.5	46.6	49.5	52.8	55.3	56.8	58.0	59.4	59.7	60.0	60.1	60.1	60.3	60.5	60.7	61.0
38.2	51.4	54.5	58.1	60.8	62.4	63.6	65.1	65.4	65.7	65.9	65.9	66.0	66.3	66.4	66.7
40.2	53.2	56.4	60.2	63.0	64.7	65.9	67.3	67.7	67.9	68.1	68.1	68.3	68.5	68.7	69.0
41.9	55.9	59.3	63.3	66.3	68.0	69.2	70.7	71.1	71.4	71.5	71.5	71.7	72.0	72.2	72.4
43.8	59.6	63.5	67.8	71.1	73.0	74.2	75.8	76.3	76.6	76.7	76.7	76.9	77.2	77.3	77.6
44.6	61.5	65.5	70.3	73.7	75.6	76.9	78.7	79.2	79.5	79.6	79.7	79.8	80.1	80.3	80.5
44.9	62.4	66.5	71.5	74.9	76.9	78.2	80.0	80.5	80.8	81.0	81.0	81.2	81.4	81.6	81.9
45.2	63.4	67.7	72.8	76.3	78.4	79.9	81.9	82.3	82.6	82.8	82.8	83.0	83.3	83.4	83.7
45.6	64.5	69.0	74.3	78.0	80.1	81.6	83.9	84.4	84.7	84.8	84.9	85.1	85.3	85.5	85.8
45.7	65.5	70.2	75.8	80.0	82.3	84.1	86.4	86.9	87.3	87.4	87.5	87.6	87.9	88.1	88.4
46.7	66.1	71.1	77.0	81.3	83.8	85.8	88.3	88.8	89.3	89.4	89.5	89.6	89.9	90.1	90.4
46.2	66.7	71.8	78.1	82.7	85.3	87.4	90.3	91.1	91.6	91.9	91.9	92.1	92.3	92.5	92.8
46.3	67.1	72.5	79.2	84.0	86.9	89.1	92.3	93.2	93.8	94.1	94.1	94.3	94.6	94.8	95.0
46.3	67.3	72.7	79.6	84.6	87.6	90.0	93.5	94.8	95.5	95.9	95.9	96.1	96.4	96.5	96.8
46.3	67.3	72.8	79.7	84.8	88.0	90.4	94.2	95.6	96.7	97.1	97.2	97.5	97.9	98.1	98.6
46.3	67.3	72.8	79.7	84.8	88.0	90.4	94.2	95.7	96.9	97.4	97.6	97.9	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

7279



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

73-82 BOSCOMBE DOWN UK

73-82

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-2000

24.1	35.3	37.7	41.0	42.7	43.7	44.5	45.5	45.8	46.1	46.2	46.2	46.4	46.5	46.5	46.7
29.7	42.2	44.7	48.5	50.6	51.9	53.1	54.6	54.8	55.2	55.3	55.3	55.5	55.6	55.6	55.9
29.8	42.4	44.8	48.6	50.7	52.0	53.2	54.7	54.9	55.3	55.4	55.4	55.6	55.7	55.7	56.1
29.8	42.4	45.7	48.7	50.8	52.1	53.3	54.8	55.0	55.4	55.5	55.5	55.7	55.8	55.8	56.2
30.0	42.6	45.3	49.0	51.2	52.4	53.7	55.2	55.4	55.7	55.8	55.8	56.1	56.2	56.2	56.5
30.6	43.5	46.3	50.3	52.8	54.0	55.4	57.1	57.3	57.6	57.8	57.8	58.0	58.1	58.1	58.4
31.0	44.1	46.9	50.8	53.5	54.7	56.2	58.0	58.3	58.8	58.9	58.9	59.1	59.2	59.2	59.6
31.3	44.3	47.1	51.1	53.7	54.9	56.4	58.2	58.6	59.0	59.1	59.1	59.3	59.5	59.5	59.8
31.3	44.7	47.6	51.5	54.1	55.4	56.9	58.7	59.0	59.5	59.6	59.6	59.8	59.9	59.9	60.2
31.9	45.6	48.5	52.9	55.6	56.9	58.4	60.4	60.7	61.2	61.3	61.3	61.5	61.6	61.6	61.9
32.2	47.0	50.1	54.6	57.6	59.0	60.7	62.7	63.1	63.6	63.8	63.8	64.0	64.1	64.1	64.4
33.0	48.5	51.6	56.3	60.0	61.6	63.4	65.5	65.8	66.4	66.5	66.5	66.7	66.8	66.8	67.2
34.2	50.3	53.6	58.3	62.2	63.8	65.8	68.1	68.6	69.2	69.3	69.3	69.5	69.6	69.6	70.0
34.7	51.8	55.2	60.1	64.0	65.6	67.7	70.1	70.7	71.2	71.3	71.3	71.6	71.7	71.7	72.0
36.5	54.6	58.0	63.2	67.2	69.0	71.1	73.6	74.2	74.7	74.9	74.9	75.1	75.2	75.2	75.5
37.1	55.8	59.3	64.7	69.1	70.9	73.0	75.7	76.2	76.8	76.9	76.9	77.1	77.2	77.2	77.6
39.0	59.6	63.2	68.6	73.3	75.1	77.2	79.8	80.4	81.0	81.1	81.1	81.3	81.4	81.4	81.8
39.8	60.7	64.3	70.0	74.6	76.4	78.6	81.2	81.8	82.3	82.4	82.4	82.7	82.8	82.8	83.1
40.0	61.7	65.3	71.0	75.8	77.7	79.8	82.4	83.2	83.8	83.9	83.9	84.1	84.3	84.3	84.6
41.1	64.3	68.0	73.8	79.0	81.0	83.1	85.8	86.6	87.2	87.3	87.3	87.5	87.7	87.7	88.0
41.6	65.3	69.3	75.4	80.6	82.8	84.9	87.7	88.4	89.0	89.1	89.1	89.4	89.5	89.5	89.8
41.9	66.3	70.0	76.1	81.3	83.5	85.6	88.6	89.4	89.9	90.0	90.0	90.3	90.4	90.4	90.7
42.5	67.0	71.2	77.3	82.6	84.9	87.1	90.1	90.9	91.5	91.6	91.6	91.8	92.0	92.0	92.3
42.9	68.3	72.5	78.6	83.8	86.3	88.6	91.7	92.5	93.1	93.2	93.2	93.4	93.5	93.5	93.9
42.9	68.6	72.8	79.3	84.6	87.1	89.4	92.5	93.3	93.9	94.0	94.0	94.2	94.3	94.3	94.7
43.0	69.2	73.4	79.8	85.2	87.8	90.1	93.3	94.1	94.7	94.8	94.8	95.0	95.1	95.1	95.5
43.0	69.9	74.1	80.5	85.8	88.6	91.2	94.3	95.2	95.8	95.9	95.9	96.1	96.3	96.3	96.6
43.7	70.1	74.3	81.0	86.4	89.1	91.8	95.5	96.4	96.9	97.1	97.1	97.3	97.4	97.4	97.7
43.0	70.1	74.3	81.1	86.5	89.2	92.0	95.9	96.8	97.4	97.5	97.5	97.7	97.8	97.8	98.2
43.7	70.1	74.3	81.1	86.7	89.8	92.6	96.9	98.0	98.5	98.6	98.6	98.8	99.0	99.1	99.5
43.0	70.1	74.3	81.1	86.7	89.9	92.8	97.1	98.1	98.6	98.9	99.0	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

883



1  
2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

17950 BOSCOMBE DOWN UK

73-60

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1300-0500

16.1	24.4	26.1	29.2	31.8	32.6	33.3	34.3	34.7	34.7	34.9	34.9	35.0	35.3	35.4	35.9
19.7	30.5	32.6	36.0	39.0	40.2	41.2	42.5	43.1	43.1	43.2	43.2	43.3	43.7	43.8	44.3
19.7	30.5	32.6	36.0	39.0	40.2	41.2	42.5	43.1	43.1	43.2	43.2	43.3	43.7	43.8	44.3
19.7	30.5	32.6	36.0	39.0	40.2	41.2	42.5	43.1	43.1	43.2	43.2	43.3	43.7	43.8	44.3
19.8	30.6	32.7	36.1	39.1	40.4	41.5	42.7	43.3	43.3	43.4	43.4	43.5	44.0	44.1	44.5
20.0	31.1	33.3	36.7	39.6	41.0	42.0	43.3	43.8	43.8	44.0	44.0	44.1	44.5	44.6	45.1
20.6	32.2	34.4	37.9	40.9	42.5	43.5	44.8	45.3	45.2	45.4	45.4	45.6	46.0	46.1	46.6
21.2	33.1	35.3	38.8	41.8	43.4	44.4	45.7	46.4	46.4	46.5	46.5	46.6	47.0	47.2	47.6
21.2	33.1	35.3	38.8	41.8	43.4	44.4	45.7	46.4	46.4	46.5	46.5	46.6	47.0	47.2	47.6
21.3	33.4	35.6	39.2	42.3	44.0	45.0	46.2	46.9	46.9	47.0	47.0	47.2	47.5	47.7	48.2
22.5	34.9	37.1	40.9	44.1	45.9	46.9	48.3	49.1	49.1	49.3	49.3	49.4	49.9	50.0	50.5
23.3	37.0	39.5	43.5	47.3	49.2	50.7	52.5	53.4	53.4	53.6	53.6	53.8	54.3	54.4	55.1
24.1	38.3	40.9	45.1	49.2	51.1	52.6	54.6	55.5	55.5	55.8	55.8	55.9	56.5	56.6	57.3
24.6	38.8	41.7	46.0	50.6	52.5	54.1	56.0	56.9	57.1	57.4	57.4	57.6	58.2	58.3	59.2
24.9	39.9	42.8	47.4	51.9	53.9	55.5	57.4	58.4	58.5	59.0	59.0	59.2	59.8	59.9	60.8
27.3	43.7	46.9	51.5	56.2	58.2	59.9	61.8	63.7	63.1	63.6	63.6	63.8	64.4	64.5	65.4
28.5	46.0	49.3	54.0	58.8	60.8	62.5	64.6	65.7	65.8	66.3	66.3	66.5	67.1	67.2	68.1
29.8	48.5	51.9	57.1	61.8	64.1	65.8	68.1	69.1	69.4	69.8	69.8	70.0	70.6	70.7	71.6
30.9	50.5	54.0	59.2	64.1	66.5	68.2	70.5	71.6	71.9	72.3	72.3	72.6	73.1	73.2	74.1
32.6	52.4	56.2	61.4	66.3	68.7	70.4	72.7	73.9	74.3	74.7	74.7	74.9	75.5	75.6	76.5
33.8	55.2	59.5	64.7	69.6	72.0	73.7	76.1	77.3	77.7	78.1	78.1	78.5	79.0	79.2	80.1
34.6	57.4	61.8	67.1	72.4	74.9	76.8	79.2	80.4	80.8	81.2	81.2	81.5	82.1	82.2	83.1
34.6	57.6	62.3	67.7	73.0	75.5	77.4	80.0	81.2	81.5	82.0	82.0	82.3	82.9	83.0	83.9
34.7	58.4	63.2	68.6	74.1	76.7	78.6	81.2	82.7	83.0	83.5	83.5	83.8	84.4	84.5	85.4
35.1	60.0	65.0	70.4	76.1	78.6	80.8	83.4	84.9	85.2	85.6	85.6	86.0	86.6	86.7	87.6
35.5	60.7	65.9	71.4	77.2	79.7	82.0	84.7	86.2	86.6	87.0	87.0	87.4	87.9	88.0	89.0
35.8	61.7	67.7	72.7	78.5	81.3	83.6	86.3	87.8	88.2	88.6	88.6	89.0	89.5	89.6	90.5
35.8	62.1	67.5	73.5	79.3	82.2	84.7	88.0	89.6	90.1	90.5	90.5	90.9	91.5	91.6	92.5
35.9	62.3	68.0	73.9	80.2	83.4	86.3	90.1	91.7	92.1	92.6	92.6	92.9	93.5	93.6	94.5
35.9	62.3	68.1	74.0	80.3	83.8	86.9	90.9	92.5	93.1	93.5	93.5	93.8	94.4	94.5	95.4
35.9	62.3	68.1	74.4	80.6	84.5	87.7	92.3	93.8	95.1	95.6	95.6	95.9	96.8	96.9	98.3
35.9	62.3	68.1	74.4	80.6	84.5	87.7	92.3	94.0	95.2	95.9	95.9	96.2	97.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS

878



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

37460 BOSCOMBE DOWN UK

73-87

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1600-1800

14.5	21.5	21.3	23.7	26.0	27.0	27.7	28.6	28.9	29.0	29.3	29.4	29.4	29.4	29.4	30.0
16.7	27.7	29.1	32.7	35.4	36.8	37.9	39.1	39.6	39.9	40.1	40.4	40.4	40.5	40.5	41.2
18.8	27.9	29.4	32.9	35.7	37.2	38.2	39.5	39.9	40.2	40.5	40.7	40.7	40.8	40.8	41.5
18.9	28.0	29.5	33.1	35.9	37.4	38.4	39.7	40.1	40.5	40.7	40.9	40.9	41.0	41.0	41.7
19.4	28.6	30.0	33.7	36.6	38.1	39.1	40.4	40.8	41.2	41.4	41.6	41.6	41.7	41.7	42.4
19.7	29.1	30.6	34.2	37.2	38.7	39.7	41.0	41.5	41.8	42.1	42.3	42.3	42.4	42.4	43.1
20.4	30.8	32.5	36.4	39.7	41.2	42.3	43.7	44.1	44.4	44.7	44.9	44.9	45.0	45.0	45.7
20.9	31.9	33.6	37.4	40.7	42.2	43.3	44.7	45.1	45.7	46.0	46.3	46.3	46.4	46.4	47.1
21.0	32.1	33.8	37.6	40.9	42.4	43.5	44.9	45.4	45.9	46.3	46.5	46.5	46.6	46.6	47.3
21.1	32.4	34.1	38.0	41.3	42.7	43.9	45.2	45.7	46.3	46.6	46.8	46.8	46.9	46.9	47.6
21.7	33.3	35.1	39.5	42.7	44.2	45.4	46.8	47.3	47.8	48.2	48.4	48.4	48.5	48.5	49.2
23.9	36.6	38.5	43.3	46.8	48.3	49.9	51.8	52.4	52.7	53.4	53.6	53.6	53.9	53.9	54.5
24.8	38.5	40.6	45.6	49.1	50.6	52.2	54.2	54.8	55.4	55.9	56.1	56.1	56.6	56.6	57.4
25.2	39.8	42.0	47.2	50.8	52.4	54.2	56.5	57.1	57.8	58.3	58.5	58.5	59.0	59.0	59.6
26.2	41.4	43.5	48.8	52.4	54.0	55.9	58.2	59.0	59.5	60.1	60.3	60.3	60.8	60.8	61.6
27.9	43.5	45.7	50.9	54.5	56.2	58.2	60.4	61.2	61.9	62.5	62.7	62.7	63.2	63.2	63.9
28.3	44.9	47.1	52.5	56.2	57.9	60.0	62.4	63.2	63.9	64.5	64.7	64.7	65.2	65.2	66.0
30.5	48.3	50.6	56.0	60.0	61.7	63.7	66.3	67.2	68.0	68.6	68.8	68.8	69.3	69.3	70.1
31.6	50.6	52.9	58.5	62.5	64.2	66.2	68.8	69.7	70.5	71.1	71.3	71.3	71.8	71.8	72.6
32.8	51.9	54.9	60.4	64.4	66.1	68.1	70.7	71.8	72.6	73.1	73.4	73.5	73.9	73.9	74.7
34.9	55.1	58.2	63.9	67.9	69.7	71.8	74.4	75.4	76.2	76.8	77.0	77.1	77.6	77.6	78.3
35.5	56.5	59.9	66.1	70.5	72.3	74.4	77.1	78.1	78.9	79.7	79.9	80.0	80.5	80.5	81.3
35.7	57.4	61.3	67.8	72.6	74.5	76.5	79.4	80.4	81.2	82.0	82.2	82.3	82.8	82.8	83.6
36.1	58.0	62.1	68.6	73.5	75.4	77.6	80.5	81.5	82.3	83.1	83.3	83.4	83.9	83.9	84.7
36.4	58.8	63.0	69.8	75.2	77.1	79.4	82.5	83.6	84.4	85.1	85.4	85.5	85.9	85.9	86.7
36.5	59.9	64.5	71.4	77.0	79.1	81.7	85.1	86.3	87.1	87.9	88.1	88.2	88.7	88.7	89.5
36.5	60.2	65.1	72.1	78.0	80.2	82.9	86.4	87.5	88.3	89.1	89.3	89.5	89.9	89.9	90.7
36.5	60.8	65.9	72.9	78.9	81.2	84.0	87.9	89.1	90.0	90.9	91.2	91.3	91.7	91.7	92.5
36.5	60.8	65.9	73.1	79.5	81.9	85.4	90.0	91.4	92.3	93.2	93.4	93.5	94.0	94.0	94.8
36.5	60.8	65.9	73.1	79.7	82.2	85.7	90.7	92.4	93.4	94.3	94.6	94.7	95.2	95.4	96.1
36.5	60.8	65.9	73.2	79.8	82.3	85.8	90.9	92.6	93.9	95.1	95.7	96.0	96.9	97.1	98.0
36.5	60.8	65.9	73.2	79.8	82.3	85.8	91.0	92.7	94.0	95.2	95.8	96.1	97.3	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 882



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

73-87  
BOSCOMBE DOWN UK

73-87

APC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

13.9	18.7	20.1	21.9	22.5	23.2	24.2	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5
22.7	29.6	31.8	34.0	35.4	36.4	37.9	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
22.7	29.6	31.8	34.0	35.4	36.4	37.9	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
22.7	29.6	31.8	34.0	35.4	36.4	37.9	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
23.3	30.3	32.5	34.8	36.3	37.3	38.9	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.7
24.5	31.7	33.8	36.3	37.8	38.8	40.4	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.2
26.5	33.9	36.1	38.6	40.2	41.2	42.9	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.7
27.5	35.4	37.7	40.3	42.0	43.0	44.9	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.7
27.6	35.7	38.0	40.6	42.3	43.3	45.2	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.0
27.7	35.9	38.1	40.7	42.4	43.4	45.4	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.2
28.4	36.9	39.3	42.2	44.0	45.0	46.9	47.3	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.9
30.9	40.4	43.1	46.2	48.4	49.4	51.4	51.7	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.3
33.1	43.6	46.4	49.4	52.0	53.1	55.0	55.3	55.5	55.7	55.8	55.8	55.8	55.8	55.8	56.0
35.6	46.4	49.3	52.4	55.2	56.3	58.3	58.6	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.3
36.4	47.2	50.1	53.2	56.0	57.1	59.0	59.4	59.6	59.7	59.8	59.8	59.8	59.8	59.8	60.1
38.0	49.0	52.0	55.1	57.9	59.2	61.1	61.5	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.2
41.0	52.4	55.7	58.9	61.9	63.1	65.0	65.5	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.2
45.5	58.5	61.9	65.3	68.2	69.5	71.4	71.8	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.5
47.4	61.0	64.4	67.9	70.8	72.1	74.0	74.4	74.7	74.8	74.9	74.9	74.9	74.9	74.9	75.1
49.8	64.1	67.8	71.3	74.3	75.6	77.5	77.9	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.6
52.5	68.6	72.9	76.7	80.2	81.4	83.4	83.8	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.5
53.2	70.1	74.5	78.4	82.4	83.7	85.7	86.3	86.5	86.8	86.9	86.9	86.9	86.9	86.9	87.1
53.4	70.6	75.0	79.2	83.6	85.0	87.1	87.7	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.5
53.8	71.5	76.1	80.7	85.6	87.1	89.5	90.0	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.8
54.2	72.6	77.5	82.0	87.3	89.1	91.7	92.3	92.5	92.8	92.9	92.9	92.9	92.9	92.9	93.1
54.2	73.5	78.6	83.1	88.6	90.5	93.3	94.0	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.9
54.2	73.8	79.0	83.6	89.3	91.2	94.3	95.1	95.5	95.7	95.8	95.8	95.8	95.8	95.8	96.0
54.2	73.8	79.0	83.7	89.7	91.7	95.0	95.8	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.8
54.2	73.9	79.1	83.8	90.2	92.4	95.8	96.8	97.3	97.5	97.7	97.7	97.7	97.7	97.7	98.0
54.2	73.9	79.1	83.8	90.4	92.6	96.0	97.2	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.6
54.2	73.9	79.1	83.8	90.4	92.6	96.0	97.3	98.0	98.3	98.6	98.9	99.0	99.0	99.0	99.2
54.2	73.9	79.1	83.8	90.4	92.6	96.0	97.3	98.0	98.3	98.6	99.0	99.1	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

584



## CEILING VERSUS VISIBILITY

73-02

APF

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1242-1430

17.6	22.4	23.6	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
26.2	32.8	34.0	36.3	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
26.2	32.8	34.0	36.3	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
26.2	32.8	34.0	36.3	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
26.7	33.2	34.5	36.8	37.2	37.2	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
27.7	34.4	35.7	38.0	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
29.4	36.1	37.5	40.2	40.7	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
30.6	38.3	39.7	42.4	43.0	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
30.9	39.0	40.3	43.1	43.7	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
31.1	39.3	40.7	43.4	44.0	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
32.6	41.1	42.6	45.5	46.2	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
37.9	47.7	49.4	52.5	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
44.3	55.3	57.0	60.2	60.9	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
47.7	61.4	63.2	66.6	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
52.0	64.1	66.0	69.3	70.1	70.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
54.9	67.8	69.8	73.1	73.9	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
58.4	71.6	73.7	77.0	77.8	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
63.8	78.5	80.6	84.0	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
64.6	79.7	81.7	85.0	86.7	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
65.5	81.4	83.9	88.0	88.9	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
66.7	83.1	86.2	90.6	91.4	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
67.5	84.1	87.4	91.8	92.8	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
67.6	84.4	87.6	92.2	93.2	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
67.6	84.6	87.8	92.6	93.9	94.0	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
67.6	85.1	88.4	93.3	94.7	94.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
67.6	85.2	88.5	93.4	95.1	95.4	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
67.6	85.2	88.5	93.8	95.5	96.0	97.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
67.6	85.3	88.6	94.3	96.2	96.7	97.9	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
67.6	85.5	88.9	94.6	96.6	97.2	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
67.6	85.5	88.9	94.6	96.7	97.4	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
67.6	85.5	88.9	94.6	96.7	97.4	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
67.6	85.5	88.9	94.6	96.7	97.4	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

875

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CLIMATE CLIMATOLOGY BRANCH  
 DAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1940 BOSCOMBE DOWN UK

73-82

APP

PER CENTAGE RELATIONSHIP OF CORRELATION  
 FROM HOURLY OBSERVATIONS

1930-1939

19.7	24.5	26.1	26.6	26.6	26.6	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
33.2	39.7	41.5	42.3	42.4	42.4	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
33.2	39.7	41.5	42.3	42.4	42.4	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
33.2	39.7	41.5	42.3	42.4	42.4	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
33.6	40.2	42.1	42.8	43.0	43.0	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
34.3	41.3	43.1	43.9	44.0	44.0	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
35.7	43.5	45.5	46.4	46.5	46.5	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
36.7	44.8	46.7	48.0	48.1	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
36.7	44.9	46.8	48.1	48.2	48.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
37.1	45.5	47.4	48.6	48.8	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
38.9	48.1	50.3	51.3	51.4	51.4	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
47.5	58.3	67.3	67.0	62.2	62.2	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
54.7	66.9	69.1	71.0	71.3	71.4	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
57.4	70.0	72.2	74.3	74.5	74.7	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
58.1	71.3	73.5	75.7	75.9	76.0	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
58.5	74.1	76.4	78.6	78.9	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
63.4	78.3	87.7	83.0	83.2	83.3	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
66.7	82.8	85.2	87.6	87.8	88.0	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
67.5	84.3	86.8	89.3	89.5	89.7	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
68.2	86.1	88.9	91.6	91.8	91.9	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
69.4	88.1	91.7	93.9	94.3	94.4	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
69.5	88.5	91.5	94.3	94.9	95.0	95.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
69.7	88.8	91.7	94.5	95.2	95.3	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
69.7	88.8	91.7	94.9	95.8	95.9	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
69.7	89.0	92.2	95.5	96.5	96.6	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
69.7	89.1	92.3	95.8	97.0	97.3	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
69.7	89.1	92.3	96.1	97.5	97.8	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
69.9	89.3	92.5	96.4	97.8	98.2	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
69.9	89.3	92.5	96.4	98.1	98.4	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
69.9	89.3	92.5	96.4	98.2	98.5	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
69.9	89.3	92.5	96.4	98.2	98.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
69.9	89.3	92.5	96.4	98.2	98.5	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 880



JUNIOR CLIMATOLOGY BRANCH  
 CRAFTAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: BOSCOMBE DOWN UK

73-82

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1800-2000

23.7	30.7	31.9	33.7	33.7	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
35.9	46.5	48.2	50.2	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5
35.9	46.5	48.2	50.2	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5
36.5	47.3	49.7	51.1	52.0	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4
37.3	48.9	51.6	52.7	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.2
38.6	51.0	52.9	55.1	56.2	56.3	56.6	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9
38.7	51.4	53.3	55.4	56.8	56.9	57.2	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6
38.7	51.7	53.6	55.8	57.1	57.2	57.8	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1
38.8	52.3	54.2	56.4	57.8	57.9	58.5	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8
40.7	54.0	55.9	58.1	59.5	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5
43.2	56.7	61.1	64.1	65.6	65.8	66.5	66.7	66.7	66.7	66.7	66.7	66.9	66.9	66.9	66.9
46.5	63.6	66.5	69.6	71.4	71.7	72.5	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	72.9
49.1	67.0	69.9	73.6	75.2	75.6	76.4	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7
50.1	68.7	71.6	75.3	76.9	77.3	78.2	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5
52.9	72.3	75.5	79.4	81.1	81.4	82.5	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8
54.1	74.3	77.7	81.7	83.5	83.8	85.1	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3
55.9	77.1	80.9	85.1	86.9	87.2	88.3	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7
56.2	77.9	81.8	86.0	87.9	88.2	89.4	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
56.6	78.7	82.6	87.0	88.9	89.3	90.5	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0
57.7	80.3	84.3	88.9	91.1	91.4	92.6	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2
57.8	81.0	85.4	90.2	92.3	92.6	93.9	94.3	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5
57.9	81.3	85.9	90.7	92.9	93.3	94.6	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2
58.7	81.7	86.2	91.1	93.3	93.8	95.0	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
58.1	81.8	86.3	91.4	93.9	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4
58.1	81.9	86.5	91.9	94.6	95.4	96.7	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
58.1	82.0	86.9	92.3	95.0	95.9	97.3	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
58.1	82.0	87.1	92.9	95.6	96.5	98.0	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
58.1	82.0	87.3	93.1	95.8	96.7	98.4	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
58.1	82.0	87.3	93.1	95.8	96.8	98.5	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7
58.1	82.0	87.3	93.1	95.8	96.8	98.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
58.1	82.0	87.3	93.1	95.8	96.8	98.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

584



## CEILING VERSUS VISIBILITY

75-62

APD

PER CENTAGE FREQUENCY OF OCCURRENCE  
OF SPECIFIC REACTIONS

44-2375

27.7	38.8	41.5	43.7	44.8	46.6	46.7	46.4	46.5	46.5	46.5	46.5	46.5	46.6	46.6	46.6
34.7	47.3	50.9	52.8	55.7	56.2	56.7	57.1	57.2	57.3	57.3	57.3	57.3	57.4	57.6	57.6
34.7	47.3	50.9	52.8	55.7	56.2	56.7	57.1	57.2	57.3	57.3	57.3	57.3	57.4	57.6	57.6
34.9	47.3	51.0	52.8	55.7	56.2	56.7	57.1	57.2	57.3	57.3	57.3	57.3	57.4	57.6	57.6
35.7	47.6	51.4	53.3	55.4	56.7	57.1	57.6	57.7	57.8	57.8	57.8	57.8	57.9	58.0	58.0
36.6	48.5	52.3	54.2	56.4	57.7	58.1	58.6	58.7	58.8	58.8	58.8	58.8	58.9	59.0	59.0
36.3	48.7	53.5	55.8	58.2	59.6	60.0	60.6	60.7	60.9	60.9	60.9	60.9	61.0	61.1	61.1
36.5	49.9	53.7	56.3	58.9	60.3	60.7	61.4	61.5	61.6	61.6	61.6	61.6	61.7	61.9	61.9
36.6	50.0	53.8	56.4	59.0	60.4	60.7	61.5	61.6	61.7	61.7	61.7	61.7	61.9	62.0	62.0
36.9	50.3	54.2	56.8	59.5	60.9	61.5	62.1	62.2	62.3	62.3	62.3	62.3	62.4	62.5	62.5
37.2	51.1	55.3	57.9	61.7	62.2	62.4	63.3	63.4	63.5	63.5	63.5	63.5	63.7	63.8	63.8
38.4	53.6	53.2	61.4	64.8	66.4	66.9	67.5	67.7	67.8	67.8	67.8	67.8	67.9	68.1	68.1
40.7	55.9	60.7	64.3	68.2	69.9	70.4	71.0	71.2	71.3	71.3	71.3	71.3	71.4	71.6	71.6
40.6	57.4	62.4	66.5	70.3	72.0	72.6	73.1	73.4	73.5	73.5	73.5	73.5	73.6	73.7	73.7
41.5	58.9	64.7	68.1	72.0	73.8	74.4	75.1	75.4	75.5	75.5	75.5	75.5	75.6	75.7	75.7
42.2	61.7	67.3	71.4	76.1	78.0	78.8	79.6	79.9	80.0	80.0	80.0	80.0	80.1	80.2	80.2
43.7	64.6	70.3	74.6	79.3	81.3	82.1	83.1	83.4	83.5	83.5	83.5	83.5	83.6	83.7	83.7
44.1	66.5	72.7	77.4	82.2	84.4	85.2	86.2	86.7	86.8	86.8	86.8	86.8	86.9	87.0	87.0
44.7	67.7	73.5	78.3	83.2	85.4	86.3	87.4	87.8	88.0	88.0	88.0	88.0	88.1	88.3	88.3
44.8	67.5	74.1	79.0	83.9	86.1	87.0	88.3	88.7	88.9	88.9	88.9	88.9	89.1	89.2	89.2
45.3	69.2	76.7	80.9	85.8	88.0	88.9	90.2	90.9	91.1	91.1	91.1	91.1	91.2	91.3	91.3
46.3	70.0	76.7	82.1	87.0	89.3	90.3	91.5	92.2	92.4	92.4	92.4	92.4	92.6	92.7	92.7
46.3	70.2	77.7	82.3	87.2	89.5	90.5	91.8	92.4	92.7	92.7	92.7	92.7	92.8	92.9	92.9
46.6	70.9	77.8	83.2	88.3	90.5	91.5	92.9	93.6	93.8	93.8	93.8	93.8	93.9	94.0	94.0
46.6	71.1	75.1	83.5	88.7	91.1	92.1	93.6	94.2	94.5	94.5	94.5	94.5	94.6	94.7	94.7
46.7	71.3	78.4	84.1	89.3	91.6	92.7	94.2	94.9	95.1	95.1	95.1	95.1	95.3	95.4	95.4
46.8	71.8	79.7	84.7	89.8	92.2	93.2	94.8	95.5	95.7	95.7	95.7	95.7	95.8	95.9	95.9
46.8	71.9	72.2	85.2	90.5	92.9	93.9	95.8	96.5	96.7	96.7					

TOTAL NUMBER OF OBSERVATIONS 286

294



## CEILING VERSUS VISIBILITY

API:

ALL

TOTAL NUMBER OF OBSERVATIONS 7347



FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

13467 BOSCOMBE DOWN UK

73-82

MAY

PERIOD OF RECORD: 1973-1982  
 FROM: 1973-01-01 TO: 1982-12-31

24.3	33.7	36.5	38.7	40.7	41.6	42.3	43.4	43.4	43.4	43.4	43.4	43.6	44.2	44.7	44.8	44.7
25.2	41.1	44.4	47.0	49.7	50.2	50.9	52.1	52.1	52.2	52.5	52.5	52.5	53.0	53.1	53.4	53.4
25.2	41.1	44.4	47.0	49.7	50.2	50.9	52.1	52.1	52.2	52.5	52.5	52.5	53.0	53.1	53.4	53.4
28.3	41.2	44.5	47.1	49.1	50.3	51.0	52.2	52.2	52.3	52.6	52.6	53.1	53.2	53.5	53.9	53.9
28.7	42.1	45.4	48.1	50.1	51.3	52.0	53.2	53.2	53.3	53.6	53.6	54.1	54.2	54.5	54.9	54.9
29.0	42.6	45.2	48.6	50.6	51.8	52.6	53.8	53.9	53.9	54.1	54.1	54.6	54.6	55.1	55.4	55.4
29.5	43.6	47.3	49.7	51.7	53.3	54.0	55.2	55.2	55.3	55.5	55.5	56.1	56.2	56.5	56.9	56.9
29.7	44.4	48.0	50.9	52.9	54.5	55.6	56.8	56.8	56.9	57.2	57.2	57.7	57.8	58.1	58.5	58.5
29.7	44.5	48.3	51.3	53.2	54.9	56.0	57.2	57.2	57.3	57.5	57.5	58.0	58.1	58.5	58.9	58.9
30.1	45.1	49.1	51.9	54.0	55.7	56.8	58.0	58.0	58.1	58.4	58.4	58.9	59.0	59.3	59.7	59.7
30.7	46.1	49.9	53.1	55.4	57.2	58.4	59.7	59.7	59.8	60.0	60.0	60.5	60.7	61.0	61.3	61.3
30.7	49.3	53.1	56.3	58.7	60.8	62.1	63.4	63.4	63.5	63.7	63.7	64.3	64.4	64.7	65.1	65.1
34.0	52.0	56.2	59.3	61.7	63.8	65.2	66.8	66.8	66.9	67.1	67.1	67.7	67.8	68.1	68.4	68.4
34.3	52.9	57.1	60.2	62.6	64.8	66.2	67.9	67.9	68.0	68.2	68.2	68.7	68.9	69.2	69.5	69.5
35.4	54.3	58.5	61.6	64.2	66.3	67.9	69.6	69.6	69.7	69.9	69.9	70.5	70.6	70.9	71.3	71.3
36.4	56.2	60.3	63.7	66.3	68.5	70.1	71.8	71.8	71.9	72.1	72.1	72.7	72.8	73.1	73.4	73.4
37.2	57.7	61.9	65.4	68.0	70.2	71.8	73.6	73.6	73.7	73.9	73.9	74.4	74.5	74.9	75.2	75.2
37.7	59.3	63.6	67.1	69.8	72.1	73.9	75.6	75.6	75.7	76.0	76.0	76.5	76.5	76.9	77.3	77.3
38.0	59.9	64.3	67.9	70.6	72.9	74.6	76.6	76.6	76.7	76.9	76.9	77.5	77.5	77.9	78.3	78.3
38.4	61.2	66.0	69.8	72.6	75.0	76.8	78.8	78.8	78.9	79.2	79.2	79.8	79.9	80.2	80.5	80.5
39.3	63.5	68.7	72.8	75.6	78.0	80.0	82.0	82.0	82.1	82.4	82.4	83.1	83.2	83.5	83.8	83.8
39.6	64.5	69.9	74.3	77.3	79.7	81.5	83.6	83.6	83.7	84.0	84.0	84.7	84.8	85.1	85.5	85.5
39.9	65.5	70.9	75.3	78.3	80.7	82.6	84.6	84.6	84.7	85.0	85.0	85.7	85.8	86.1	86.4	86.4
40.3	66.3	72.0	76.4	79.6	82.0	83.9	85.9	85.9	86.0	86.3	86.3	87.0	87.1	87.4	87.8	87.8
40.4	67.1	73.1	77.7	81.0	83.4	85.4	87.3	87.4	87.5	87.9	87.9	88.5	88.6	89.0	89.3	89.3
40.7	68.2	74.3	79.2	82.7	85.2	87.4	89.5	89.7	89.8	90.2	90.2	90.8	90.9	91.3	91.6	91.6
40.9	68.7	75.3	80.0	83.5	86.0	88.2	90.4	90.6	90.8	91.1	91.1	91.8	91.9	92.2	92.6	92.6
40.9	69.4	75.7	81.1	84.7	87.2	89.4	91.6	91.8	92.0	92.3	92.3	93.0	93.1	93.4	93.8	93.8
40.9	69.7	76.3	81.9	85.7	88.2	90.4	92.7	93.2	93.6	93.9	94.0	94.6	94.6	95.1	95.4	95.4
40.9	69.8	76.7	82.4	86.3	88.9	91.0	93.6	94.1	94.4	94.8	94.9	95.5	95.6	96.0	96.3	96.3
40.7	69.9	76.7	83.1	87.0	89.7	91.9	94.8	95.3	96.0	96.3	96.4	97.0	97.3	97.6	98.0	98.0
40.9	69.9	76.9	83.1	87.0	89.7	91.9	94.8	95.5	96.2	96.7	96.9	97.5	98.4	98.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915



FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

401 WILCOX, DENV CO

73-02

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1943-1952

17.7	23.6	25.4	29.1	31.8	31.5	32.8	33.3	33.7	34.5	34.7	34.7	35.1	35.1	35.4	37.5
17.8	29.5	31.7	37.1	31.8	39.8	41.2	42.1	42.6	43.4	43.6	43.8	44.7	44.7	45.3	46.7
19.0	29.5	31.7	37.0	31.8	39.8	41.2	42.2	42.7	43.5	43.7	43.7	44.1	44.4	45.4	46.8
19.5	29.5	31.7	37.0	31.8	39.8	41.2	42.2	42.7	43.5	43.8	43.8	44.2	44.4	45.5	47.1
19.8	31.2	32.5	37.6	39.7	40.7	42.1	43.0	43.4	44.5	44.7	44.7	45.1	45.4	46.4	47.4
17.1	31.1	32.5	39.1	41.1	42.2	43.5	44.6	45.1	46.0	46.2	46.2	46.6	47.3	47.9	49.5
31.1	32.5	35.1	41.5	43.4	44.6	46.2	47.2	47.7	48.5	48.8	48.8	49.2	49.5	50.5	52.0
32.2	33.7	36.4	42.3	44.7	45.0	47.8	48.9	49.5	50.3	50.5	50.5	51.0	51.6	52.3	53.7
32.3	34.0	36.8	42.7	41.1	45.4	48.3	49.3	49.9	50.8	51.1	51.1	51.4	52.1	52.7	54.1
32.3	34.1	37.0	42.8	45.7	46.5	48.4	49.5	50.0	50.9	51.1	51.1	51.5	52.2	52.8	54.1
32.3	35.2	39.2	44.1	45.5	47.9	49.8	51.1	51.9	52.7	52.9	52.9	53.4	54.7	54.7	56.1
37.4	38.5	41.8	48.3	51.1	52.5	54.5	56.3	57.3	58.2	58.4	58.4	58.8	59.4	60.2	61.1
34.5	39.9	43.9	50.0	52.9	54.3	56.7	58.3	59.3	60.4	60.7	60.7	61.1	61.4	62.5	63.7
35.1	40.3	44.5	51.1	54.0	55.5	57.9	59.6	60.7	61.7	62.1	62.1	62.4	63.2	63.3	65.0
35.7	41.6	45.4	52.1	55.1	56.6	59.0	60.7	61.7	62.8	63.0	63.0	63.5	64.2	64.9	66.3
37.1	43.3	47.2	53.6	56.8	56.5	60.9	62.5	63.6	64.7	64.9	64.9	65.3	66.2	66.8	68.7
37.5	44.1	48.4	55.1	58.3	59.9	62.5	64.1	65.2	66.3	66.5	66.5	67.0	67.5	68.5	69.4
38.1	46.2	50.4	57.3	60.5	62.3	64.9	66.6	67.7	68.8	69.1	69.1	69.5	70.3	71.0	72.4
39.2	47.4	51.6	58.7	62.0	63.8	66.4	68.3	69.3	70.4	70.7	70.7	71.2	72.1	72.7	74.1
39.9	48.8	53.2	60.4	63.9	65.8	68.4	70.2	71.3	72.5	72.7	72.8	73.3	74.1	74.8	76.2
41.4	51.3	55.7	63.4	66.8	68.7	71.3	73.3	74.3	75.5	75.8	75.9	76.4	77.3	77.9	79.7
42.0	52.8	57.7	65.5	69.1	71.1	73.7	75.7	76.7	77.9	78.3	78.4	78.9	79.6	80.4	82.4
42.1	53.3	58.5	66.3	69.9	72.0	74.7	76.6	77.7	78.9	79.2	79.3	79.9	80.6	81.4	83.4
42.2	54.2	59.5	67.6	71.2	73.3	76.0	77.9	79.2	80.4	80.8	80.9	81.4	82.3	82.9	84.7
42.3	54.9	60.2	68.8	72.4	74.8	77.5	79.7	81.0	82.3	82.6	82.7	83.3	84.1	84.8	86.2
42.5	55.1	60.4	69.2	73.4	75.9	78.3	81.1	82.4	83.8	84.1	84.2	84.8	85.7	86.3	87.7
42.5	55.3	60.8	69.5	74.0	76.5	79.5	81.7	83.2	84.6	84.9	85.1	85.5	86.4	87.1	88.5
42.7	55.3	61.1	71.1	75.9	78.9	82.1	84.5	86.1	87.4	87.7	87.8	88.4	89.3	90.0	91.4
42.7	56.6	62.5	72.1	76.6	79.7	82.8	85.3	87.1	88.5	88.9	89.1	89.6	90.7	91.3	92.7
42.7	56.7	62.5	72.4	77.0	80.1	83.3	86.1	88.2	89.6	90.0	90.2	90.8	91.8	92.5	94.2
42.7	56.5	62.7	72.5	77.4	80.7	83.9	87.1	89.2	91.0	91.4	91.6	92.3	93.5	94.5	96.7
42.8	56.8	62.7	72.5	77.6	80.9	84.2	87.4	89.7	91.7	92.2	92.6	93.4	94.9	96.3	98.5

TOTAL NUMBER OF OBSERVATIONS

927



U.S. AIR FORCE CLIMATE BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

400 DOBSON COMB DOWN UP

73-57

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1953-1959

17.7	21.7	22.7	24.5	25.2	26.9	27.6	28.9	29.7	29.8	29.9	30.1	30.8	30.9	31.1
17.4	29.3	31.2	34.7	36.9	37.7	38.3	40.5	40.8	41.5	41.6	41.7	42.1	43.0	43.0
17.4	29.3	31.2	34.8	37.0	37.8	38.9	40.5	40.9	41.5	41.7	41.8	42.2	43.1	43.1
17.4	29.3	31.2	34.8	37.0	37.8	38.9	40.5	40.9	41.5	41.7	41.8	42.2	43.1	43.1
17.6	29.9	30.1	35.7	37.9	36.7	37.8	41.5	41.8	42.4	42.6	42.7	43.1	44.1	44.1
17.3	31.5	33.8	37.5	39.8	40.7	41.8	43.3	44.1	44.8	44.9	45.0	45.4	46.3	46.7
19.5	33.5	36.2	40.2	42.4	43.6	44.8	46.7	47.3	48.0	48.1	48.2	48.6	49.5	49.5
18.8	35.2	37.8	42.0	44.5	45.6	46.9	49.0	49.5	50.3	50.4	50.5	50.9	51.8	51.8
20.7	35.3	37.9	42.1	44.7	46.1	47.3	49.4	49.9	50.7	50.8	50.9	51.4	52.3	52.3
21.1	35.4	37.7	42.2	45.1	46.2	47.4	49.5	50.1	50.6	50.7	51.0	51.5	52.4	52.4
21.3	36.2	38.9	43.3	45.1	47.4	48.6	50.8	51.4	52.1	52.3	52.4	52.9	53.7	53.7
22.2	36.7	42.7	47.3	50.3	51.7	52.9	55.6	56.1	56.9	57.1	57.1	57.6	58.4	58.4
24.3	41.0	44.7	49.1	52.7	53.5	54.7	57.6	58.1	58.9	59.1	59.1	59.5	60.4	60.4
25.4	42.7	45.5	50.7	53.8	55.2	56.4	59.3	59.9	60.6	60.7	60.9	61.3	62.2	62.3
26.5	43.6	45.8	51.9	54.0	55.5	56.7	59.5	60.1	60.9	61.0	61.1	61.5	62.4	62.5
28.0	44.5	47.5	52.9	55.7	57.4	58.7	61.6	62.2	63.0	63.1	63.2	63.6	64.5	64.5
28.9	45.9	49.7	54.4	57.7	59.1	60.3	63.3	63.8	64.6	64.7	64.8	65.3	66.2	66.3
30.3	48.8	52.0	57.4	60.9	62.4	63.6	66.6	67.1	67.7	68.1	68.1	68.6	69.5	69.5
31.5	49.9	53.3	58.9	62.3	63.8	65.0	68.1	68.7	69.5	69.6	69.7	70.1	71.1	71.1
33.2	51.9	55.3	61.1	64.6	66.2	67.4	70.5	71.0	71.8	71.9	72.0	72.4	73.3	73.4
35.4	56.1	59.5	65.4	69.0	70.6	71.9	74.9	75.5	76.3	76.4	76.5	77.0	77.9	77.9
36.5	56.8	60.2	66.0	70.0	71.9	73.1	76.2	76.8	77.5	77.7	77.8	78.3	79.2	79.3
36.7	57.7	61.2	67.5	71.3	73.2	74.4	77.5	78.2	78.9	79.1	79.2	79.6	80.5	80.5
36.3	56.9	62.4	69.0	73.0	75.0	76.4	79.5	80.2	80.9	81.1	81.1	81.6	82.5	82.6
37.7	63.6	64.2	71.1	75.3	77.5	79.2	82.2	83.1	83.9	84.0	84.1	84.6	85.4	85.6
37.5	62.0	65.8	72.9	77.2	79.4	81.0	84.1	85.1	85.9	86.0	86.1	86.5	87.4	87.5
38.7	63.0	66.9	74.2	78.9	81.4	83.1	86.2	87.3	88.1	88.3	88.4	88.9	89.7	89.9
38.0	63.2	67.4	75.0	80.4	83.2	85.3	88.6	90.0	90.7	91.0	91.1	91.5	92.4	92.5
38.7	63.4	67.6	75.4	80.9	84.1	86.5	90.3	91.5	92.3	92.5	92.6	93.1	93.9	94.0
39.1	63.4	67.6	75.6	81.5	84.8	87.3	91.5	92.9	93.7	94.2	94.3	94.7	95.6	95.7
38.7	63.4	67.6	75.6	81.5	84.8	87.4	91.7	93.5	94.5	95.1	95.3	95.8	97.0	97.1
38.0	63.4	67.6	75.6	81.5	84.8	87.4	91.8	93.6	94.7	95.4	95.7	96.3	98.0	98.5

TOTAL NUMBER OF OBSERVATIONS 977



GLOBAL CLIMATOLOGY BRANCH  
UNAF/CIAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2

41 LOSCUMBE DOWN UK

75-AD

MAY

PERCENTAGE OF DAYS OF OCCURRENCE  
BASED ON 100 OBSERVATIONS

1910-1171

17.3	22.1	23.8	24.6	25.1	25.4	25.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
26.5	35.9	38.3	39.2	39.8	40.2	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
28.9	36.5	39.1	39.3	39.9	40.3	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
19.0	36.2	38.3	39.5	40.2	40.5	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
29.5	36.6	38.8	40.0	40.7	41.0	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
31.1	38.7	40.9	42.1	43.0	43.3	43.8	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
32.3	41.6	44.1	45.3	46.3	46.6	47.1	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
34.0	43.1	45.2	47.2	48.3	48.6	49.1	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
34.2	43.3	46.1	47.4	48.5	48.8	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
34.5	43.6	46.5	48.0	49.1	49.4	49.8	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
35.5	46.1	47.9	49.3	50.4	50.8	51.3	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
34.6	50.4	53.1	54.7	55.8	56.3	56.9	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
42.5	53.7	56.4	58.1	59.3	60.0	60.5	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
44.6	56.4	59.3	60.9	62.2	62.8	63.4	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
45.7	57.5	60.4	62.0	63.3	63.9	64.5	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
47.3	59.7	62.6	64.5	65.7	66.3	66.9	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
40.5	62.7	65.7	67.5	68.8	69.4	70.0	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
55.5	66.2	71.3	73.3	74.5	75.1	75.7	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
57.4	71.2	74.3	76.3	77.6	78.2	78.8	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
59.4	73.7	77.1	79.3	80.6	81.4	82.0	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
62.3	77.7	81.4	83.8	85.7	86.5	87.1	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
62.5	78.2	82.2	85.0	87.0	87.9	88.7	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
62.7	78.9	82.8	85.7	87.9	88.8	89.7	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
63.4	79.5	83.5	86.9	89.4	90.3	91.2	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
63.6	80.6	84.8	88.7	91.5	92.4	93.5	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
63.6	81.0	85.4	89.9	93.0	94.1	95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
63.7	81.1	85.5	90.1	93.4	94.6	95.9	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
63.7	81.5	86.0	90.6	94.1	95.4	96.9	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
63.7	81.5	86.1	91.1	94.6	96.1	97.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
63.7	81.5	86.1	91.1	94.6	96.4	97.9	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
63.7	81.5	86.1	91.1	94.6	96.4	97.9	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
63.7	81.5	86.1	91.1	94.6	96.4	97.9	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 979



NATIONAL CLIMATOLOGY BRANCH  
OF METAC  
A WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

4.1 : 070045 DOWN UK

73-50

WAV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM FOUR OBSERVATIONS

100-1470

16.2	20.1	27.4	27.9	21.2	21.3	21.3	21.3	21.7	21.3	21.3	21.3	21.3	21.3	21.7	21.3
30.9	35.6	36.7	36.5	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
31.1	35.5	36.3	36.7	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.2
31.3	35.9	36.4	36.8	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
32.3	37.2	37.6	38.1	39.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
33.6	39.0	39.4	40.0	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
36.4	42.7	43.3	43.9	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
37.3	44.1	44.5	45.2	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
37.4	44.1	44.5	45.2	45.6	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
37.6	44.8	45.5	46.2	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
38.6	47.5	48.3	49.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
46.1	55.8	56.7	57.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
52.6	62.6	63.5	64.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
56.4	66.9	67.7	69.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
56.6	69.2	70.7	71.4	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
61.3	71.9	73.1	74.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
65.5	76.7	78.1	79.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
69.2	81.3	82.8	84.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
71.7	84.5	86.2	87.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
73.1	86.4	87.9	89.4	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
73.7	87.5	89.3	91.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
73.9	88.2	90.0	92.1	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
73.9	88.3	90.3	92.4	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
74.2	88.8	90.8	93.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
74.4	89.4	91.5	94.0	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
74.6	90.1	92.2	94.9	97.7	97.9	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
74.6	90.1	92.3	95.0	97.8	98.0	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
74.6	90.1	92.3	95.1	97.9	98.2	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
74.6	90.1	92.3	95.1	98.0	98.3	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
74.6	90.1	92.3	95.1	98.0	98.3	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
74.6	90.1	92.3	95.1	98.0	98.3	98.8	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0
74.6	90.1	92.3	95.1	98.0	98.3	98.8	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 896



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

17400 BOSCOMBE DOWN UK

73-87

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

21.4	24.9	25.2	25.7	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
37.0	41.6	42.2	42.8	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
37.4	42.7	42.5	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
37.4	42.0	42.5	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
39.1	44.0	44.6	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
40.5	45.7	46.2	46.9	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
43.2	48.6	49.2	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
43.8	49.4	49.9	50.6	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
43.3	49.6	50.3	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
44.7	50.8	51.5	52.2	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
47.3	53.9	54.5	55.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
54.9	62.7	63.5	64.8	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
61.4	70.5	71.3	72.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
63.8	73.1	74.0	75.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
65.2	74.8	75.6	77.2	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
67.1	76.8	77.7	79.2	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
69.7	80.2	81.3	82.8	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
73.1	83.8	85.1	86.8	88.5	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
73.9	84.7	86.0	87.7	89.4	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
75.3	86.2	87.7	89.3	91.1	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
76.5	88.1	89.7	91.6	93.6	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
76.6	88.9	90.5	92.5	94.5	94.5	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
76.6	88.9	90.5	92.5	94.5	94.5	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
76.7	89.3	91.3	93.3	95.6	95.6	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
76.8	89.9	92.7	94.1	96.7	96.7	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
77.2	90.6	92.7	94.8	97.4	97.7	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
77.2	90.6	92.7	94.9	97.6	97.9	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
77.2	90.9	93.2	95.4	98.1	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
77.2	93.9	93.2	95.4	98.5	98.8	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
77.2	93.9	93.2	95.5	98.6	98.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.2	93.9	93.2	95.5	98.6	98.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.2	93.9	93.2	95.5	98.6	98.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915



## CEILING VERSUS VISIBILITY

73-82

4A4

13.7-2273

29.7	30.2	31.7	31.5	31.7	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
40.3	47.7	48.2	48.6	48.8	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
40.5	47.4	48.6	49.1	49.3	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
40.5	47.4	48.6	49.1	49.3	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
41.5	48.4	49.6	50.1	50.3	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
42.4	49.5	50.6	51.3	51.5	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
43.7	51.6	52.8	53.3	53.5	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
44.9	53.2	54.5	54.9	55.1	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
44.9	53.2	54.5	54.9	55.3	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
45.4	53.9	55.3	55.9	56.4	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
48.4	57.7	59.1	59.8	60.2	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
53.6	64.5	66.1	67.1	67.7	67.9	67.9	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
55.7	67.7	69.4	70.5	71.1	71.3	71.3	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
57.7	69.8	71.5	72.8	73.3	73.5	73.5	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
59.3	71.5	73.3	74.5	75.1	75.3	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
61.9	74.4	76.5	77.9	78.4	78.6	78.7	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
64.8	77.5	79.6	81.0	81.7	81.9	82.1	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
67.4	80.4	82.7	84.3	85.3	85.7	85.8	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
68.1	81.3	83.7	85.3	86.3	86.7	86.8	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
69.1	82.3	84.8	86.4	87.4	87.8	87.9	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
70.7	83.8	86.6	88.4	89.4	89.8	89.9	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
70.5	85.2	88.2	90.0	91.1	91.6	91.7	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
70.7	85.3	88.3	90.1	91.4	91.8	91.9	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
70.9	85.8	88.9	90.8	92.1	92.6	92.7	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
71.7	86.5	89.7	91.7	93.5	93.9	94.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
71.2	86.9	90.1	92.1	94.1	94.6	94.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
71.2	87.2	90.4	92.5	94.5	94.9	95.2	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
71.2	87.5	90.8	92.9	95.0	95.6	96.0	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
71.2	87.7	91.0	93.4	95.7	96.3	96.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
71.2	87.7	91.0	93.4	96.1	96.8	97.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
71.2	87.7	91.0	93.4	96.3	97.1	97.7	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
71.2	87.7	91.0	93.4	96.3	97.1	97.7	98.9	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 903



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

2

# CEILING VERSUS VISIBILITY

1450 BOECOMBE DOWN UK

73-50

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

110-2300

28.2	37.9	39.9	42.3	42.7	43.3	43.5	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.3
35.6	47.6	50.1	52.4	53.1	53.4	53.8	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.9
35.6	47.6	50.1	52.4	53.1	53.4	53.8	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.9
35.7	48.3	50.5	52.6	53.5	53.8	54.2	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.2
36.8	49.1	51.6	53.9	54.6	55.0	55.4	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.4
37.7	51.0	53.6	56.0	56.8	57.3	57.7	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.7
38.3	52.4	55.1	57.6	58.6	59.2	59.6	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.6
38.3	52.4	55.1	57.6	58.6	59.2	59.6	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.6
38.3	52.5	55.2	57.7	58.7	59.3	59.7	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.7
39.5	53.7	56.8	59.6	60.6	61.1	61.5	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.6
41.5	57.7	61.1	64.6	65.6	66.2	66.8	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.2
42.7	60.0	63.7	67.3	68.5	69.2	69.7	70.6	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.1
43.9	61.7	65.4	69.0	70.2	70.8	71.4	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.7	72.8
44.7	63.1	66.9	70.6	71.8	72.4	73.0	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.4
46.4	66.0	70.2	74.0	75.2	75.8	76.4	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.8
47.8	68.6	73.1	77.0	78.2	78.9	79.4	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.8
48.6	70.7	75.2	79.4	80.6	81.3	81.8	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.4
49.7	71.7	76.4	80.7	81.9	82.6	83.1	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.9
49.9	73.4	78.1	82.5	83.7	84.3	84.9	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.7
50.8	74.6	79.5	84.0	85.3	86.2	86.7	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.7
51.2	75.2	80.2	84.9	86.3	87.1	87.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.7
51.2	75.3	80.7	85.5	86.9	87.8	88.3	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.4
51.4	75.9	81.4	86.5	87.9	88.8	89.4	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.6
51.7	76.8	82.6	88.0	89.4	90.3	91.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.2
51.9	77.1	83.0	88.6	90.0	90.8	91.6	93.6	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.3
51.9	77.3	83.7	89.5	91.1	92.0	92.8	95.0	95.4	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.8
51.9	77.7	84.1	90.0	91.7	92.7	93.5	95.8	96.3	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.6
51.9	77.9	84.4	90.5	92.5	93.5	94.3	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.6
51.9	77.9	84.6	90.7	92.9	93.9	94.8	97.3	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.3
51.9	78.0	84.7	90.8	93.1	94.2	95.1	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.0
51.9	78.0	84.7	90.8	93.1	94.2	95.1	97.9	98.7	99.0	99.0	99.0	99.0	99.0	99.2	99.7	99.7100.0

TOTAL NUMBER OF OBSERVATIONS 918

USAF ETAC 1450 BOECOMBE DOWN UK 73-50 MAY 110-2300



2

1

73-02

W A Y

A 1 1

TOTAL NUMBER OF OBSERVATIONS 7283[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATTN: WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

3745 DODSCOMBE DOWN OH

73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

000-1200

24.7	33.5	36.7	39.0	40.4	41.4	41.5	42.4	42.8	43.1	43.3	43.5	43.7	43.8	43.9	44.0
28.6	40.1	43.7	47.0	48.6	49.9	50.0	51.3	51.6	51.9	52.2	52.4	52.6	53.0	53.1	53.2
28.6	40.1	43.7	47.0	48.6	49.9	50.0	51.3	51.6	51.9	52.2	52.4	52.6	53.0	53.1	53.2
28.6	40.1	43.7	47.0	48.6	49.9	50.0	51.3	51.6	51.9	52.2	52.4	52.6	53.0	53.1	53.2
28.7	40.3	43.8	47.1	48.7	50.0	50.1	51.4	51.7	52.1	52.3	52.5	52.8	53.1	53.2	53.3
28.9	40.9	44.6	47.9	49.5	50.8	50.9	52.2	52.5	52.9	53.1	53.3	53.6	53.9	54.0	54.1
30.5	43.7	46.8	50.1	51.9	53.2	53.3	54.6	54.9	55.3	55.5	55.7	56.0	56.3	56.4	56.5
31.0	43.7	47.5	51.0	52.9	54.1	54.2	55.5	56.0	56.3	56.5	56.8	57.0	57.3	57.5	57.6
31.6	44.7	48.5	52.2	54.0	55.4	55.5	56.6	57.2	57.6	57.8	58.0	58.3	58.6	58.7	58.8
32.2	45.2	49.7	52.6	54.5	55.8	56.1	57.3	57.8	58.1	58.4	58.6	58.8	59.2	59.3	59.4
33.4	46.8	51.7	54.4	56.2	57.6	57.8	59.1	59.5	59.9	60.1	60.3	60.6	60.9	61.0	61.1
35.4	50.0	53.9	58.0	60.1	61.5	61.7	63.0	63.4	63.8	64.0	64.2	64.4	64.8	64.9	65.0
36.7	51.5	55.6	59.7	61.8	63.3	63.5	64.8	65.3	65.6	65.8	66.1	66.3	66.6	66.7	66.9
37.6	52.0	57.1	61.2	63.3	64.8	65.0	66.4	66.9	67.2	67.4	67.7	67.9	68.2	68.3	68.5
38.4	54.0	58.1	62.3	64.3	65.8	66.1	67.4	67.9	68.2	68.5	68.7	68.9	69.3	69.4	69.5
40.6	57.1	61.5	65.8	67.9	69.4	69.6	71.0	71.4	71.8	72.0	72.2	72.5	72.8	72.9	73.1
41.7	58.4	63.1	67.8	70.1	71.6	71.8	73.3	73.7	74.1	74.3	74.5	74.8	75.1	75.2	75.3
42.0	60.0	64.9	69.8	72.1	73.7	74.0	75.6	76.0	76.4	76.6	76.8	77.2	77.5	77.6	77.8
42.5	60.8	65.8	70.8	73.2	74.8	75.1	76.7	77.2	77.5	77.8	78.0	78.3	78.7	78.8	78.9
43.0	61.8	66.9	72.0	74.5	76.1	76.5	78.1	78.6	78.9	79.1	79.4	79.7	80.0	80.2	80.3
44.0	63.6	68.7	73.9	76.4	78.0	78.4	80.3	80.7	81.1	81.3	81.7	82.0	82.3	82.5	82.6
45.2	64.9	70.1	75.3	77.9	79.7	80.3	82.1	82.6	82.9	83.1	83.5	83.8	84.2	84.3	84.4
45.6	65.6	70.9	76.3	78.8	80.6	81.3	83.1	83.6	83.9	84.2	84.5	84.9	85.2	85.3	85.4
45.8	65.9	71.4	76.9	79.7	81.5	82.2	84.1	84.5	84.9	85.1	85.4	85.8	86.1	86.2	86.4
46.7	66.7	72.4	78.0	80.8	82.7	83.5	85.6	86.0	86.4	86.6	86.9	87.3	87.6	87.7	87.8
46.7	67.8	73.4	79.0	81.9	83.8	84.6	86.7	87.2	87.5	87.7	88.1	88.4	88.8	88.9	89.0
46.7	68.0	73.6	79.6	82.6	84.9	85.8	88.0	88.4	88.9	89.1	89.4	89.8	90.1	90.3	90.4
46.7	68.0	73.6	80.0	83.9	86.7	87.6	89.9	90.4	90.8	91.1	91.4	91.7	92.1	92.2	92.3
46.7	68.1	73.9	80.4	84.3	87.0	88.1	90.6	91.3	92.0	92.2	92.5	93.0	93.3	93.5	93.6
46.7	68.5	74.2	80.8	85.2	88.1	89.2	91.9	92.5	93.2	93.5	93.8	94.3	94.7	94.8	95.0
46.7	68.5	74.4	81.3	85.7	88.9	90.5	93.5	94.3	95.2	95.6	96.0	96.4	97.2	97.5	98.4
46.7	68.5	74.4	81.3	85.7	88.9	90.5	93.7	94.5	95.5	96.1	96.4	97.0	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

672



GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

100000 3000000 DOWN UK  
100000 100000

73-62

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1000-1000

16.2	23.3	26.1	28.6	30.7	31.8	32.3	33.5	34.1	34.4	34.4	34.9	35.2	35.3	35.7	36.9
20.2	30.4	33.4	37.3	39.7	40.9	41.9	43.4	44.1	44.6	44.9	45.4	45.7	46.4	46.6	47.8
20.9	30.4	33.5	37.3	39.7	40.9	41.9	43.4	44.1	44.6	44.9	45.4	45.7	46.4	46.6	47.8
20.9	30.4	33.6	37.3	39.7	40.9	41.9	43.4	44.1	44.6	44.9	45.4	45.7	46.4	46.6	47.9
21.1	30.7	34.2	37.6	40.0	41.3	42.3	43.8	44.5	44.7	45.3	45.7	46.1	46.7	47.0	48.1
21.4	31.2	34.7	38.2	41.6	41.8	43.0	44.5	45.1	45.6	45.9	46.4	46.7	47.5	47.8	48.9
22.6	32.7	36.5	39.9	42.4	43.8	45.0	46.6	47.3	47.8	48.1	48.7	49.0	49.5	50.1	51.2
22.9	33.5	37.0	40.5	43.1	44.5	45.7	47.5	48.2	48.7	49.0	49.6	49.9	50.7	51.0	52.1
23.1	33.5	37.4	40.8	43.4	44.8	46.1	47.9	48.6	49.0	49.4	49.9	50.3	51.1	51.3	52.5
23.3	34.1	37.6	41.0	43.7	45.0	46.3	48.1	48.8	49.3	49.6	50.2	50.5	51.3	51.5	52.7
24.3	35.7	39.2	42.7	45.4	46.9	48.1	50.1	50.7	51.2	51.5	52.1	52.5	53.3	53.5	54.6
26.7	38.9	42.5	46.3	49.7	51.0	52.2	54.3	55.0	55.4	55.8	56.3	56.7	57.5	57.7	58.9
28.3	40.0	44.1	48.0	50.7	52.7	53.9	56.1	56.7	57.1	57.5	58.1	58.4	59.2	59.4	60.7
29.5	42.1	45.7	49.6	52.3	54.3	55.5	57.6	58.4	58.9	59.2	59.8	60.1	60.9	61.1	62.4
30.4	43.1	46.9	50.7	53.5	55.4	56.7	58.7	59.5	60.0	60.3	60.9	61.4	62.2	62.4	63.7
32.1	45.4	49.5	53.8	56.9	59.3	60.7	62.7	63.5	64.0	64.3	64.9	65.4	66.2	66.4	67.7
33.4	47.3	51.7	56.1	59.3	61.7	63.1	65.1	65.9	66.4	66.7	67.3	67.8	68.6	68.8	70.1
34.3	49.7	54.1	58.7	62.1	64.5	65.8	67.9	68.7	69.1	69.5	70.1	70.5	71.3	71.5	72.8
34.6	50.4	55.1	59.8	63.2	65.6	67.0	69.0	69.8	70.3	70.6	71.2	71.7	72.5	72.7	73.9
35.2	51.7	56.9	61.6	65.0	67.4	68.8	70.9	71.7	72.1	72.5	73.0	73.5	74.3	74.5	75.8
36.1	53.3	58.5	63.5	67.1	69.5	71.0	73.0	73.8	74.3	74.6	75.2	75.7	76.5	76.7	77.9
36.9	54.6	60.1	65.3	68.8	71.3	72.9	75.0	75.8	76.2	76.6	77.1	77.6	78.4	78.6	79.9
37.1	55.3	60.8	65.9	69.5	72.0	73.6	75.7	76.5	76.9	77.3	77.8	78.3	79.1	79.3	80.6
37.3	55.5	61.4	66.6	70.3	72.8	74.4	76.5	77.3	77.7	78.1	78.6	79.1	79.9	80.1	81.4
37.7	56.1	61.9	67.4	71.3	73.9	75.7	77.7	78.6	79.1	79.4	80.0	80.5	81.3	81.5	82.7
37.9	56.9	62.9	68.9	72.8	75.4	77.4	79.4	80.5	80.9	81.3	81.8	82.3	83.1	83.3	84.6
38.2	57.1	63.2	69.5	73.9	76.7	78.7	80.9	82.1	82.5	82.9	83.4	83.9	84.7	84.9	86.2
38.3	57.3	63.3	70.1	75.2	77.9	80.0	82.5	83.8	84.2	84.6	85.1	85.6	86.4	86.6	87.9
38.3	57.4	63.4	70.2	76.0	78.9	81.3	84.3	85.6	86.1	86.4	87.0	87.4	88.2	88.5	89.7
38.3	57.4	63.4	70.3	76.6	79.7	82.4	85.5	87.0	87.8	88.2	88.8	89.3	90.1	90.3	91.5
38.3	57.4	63.4	70.7	77.4	80.5	83.2	87.2	89.1	90.5	91.3	92.0	92.5	93.7	94.1	95.9
38.3	57.4	63.4	70.7	77.4	80.6	83.4	87.7	89.6	91.3	92.6	93.6	94.3	96.3	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 875

USAF/ETAC 100000 3000000 DOWN UK 100000 100000



## CEILING VERSUS VISIBILITY

112

503-2671

TOTAL NUMBER OF OBSERVATIONS 669







## CEILING VERSUS VISIBILITY

73-02

406

## EXPERIMENTAL PROCEDURE OF COLLECTING FROM HOLEY OBSERVATIONS

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

22.5	27.1	27.3	27.3	27.3	27.3	27.3	27.3	27.7	27.3	27.3	27.3	27.3	27.3	27.3	27.3
30.0	38.1	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
33.1	38.2	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
33.1	38.2	38.9	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
33.6	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
35.5	41.9	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
37.7	43.5	44.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
38.2	44.5	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
38.2	44.6	45.4	45.5	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
38.6	45.8	46.3	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
40.6	47.7	48.6	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
46.7	55.4	56.3	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
53.7	62.7	63.7	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
58.3	68.1	69.2	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
61.0	71.1	72.2	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
64.2	74.5	75.6	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
67.7	78.6	79.6	80.5	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
70.7	82.2	83.4	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
72.1	83.9	85.3	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
73.6	86.2	87.6	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
75.1	88.6	91.3	91.5	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
75.4	89.5	91.7	92.6	93.4	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
75.6	90.0	91.7	93.0	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
75.7	90.3	92.7	93.5	94.3	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
75.7	91.0	92.7	94.3	95.2	95.7	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
76.0	91.4	93.2	94.6	95.9	96.6	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
76.2	92.2	94.0	95.6	96.9	97.6	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
76.4	92.4	94.1	95.8	97.2	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
76.5	92.6	94.3	96.2	97.7	98.6	99.5	99.9	99.9100.0100.0100.0100.0100.0100.0100.0100.0							
76.5	92.6	94.3	96.2	97.7	98.6	99.5	99.9	99.9100.0100.0100.0100.0100.0100.0100.0100.0							
76.5	92.6	94.3	96.2	97.7	98.6	99.5	99.9	99.9100.0100.0100.0100.0100.0100.0100.0100.0							
76.5	92.6	94.3	96.2	97.7	98.6	99.5	99.9	99.9100.0100.0100.0100.0100.0100.0100.0100.0							

TOTAL NUMBER OF OBSERVATIONS

567



CENTRAL CLIMATOLOGY BRANCH  
WAFB/TAD  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1946 1000000000 DOWN UP

73-52

JUN

RECEIVED AIR FORCE  
FROM THE AIR FORCE

1510-1700

25.3	28.8	29.1	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
37.1	42.2	42.5	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
37.1	42.2	42.5	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
37.1	42.2	42.5	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
37.7	42.5	43.2	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
39.3	44.5	44.7	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
42.6	45.5	45.7	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
43.3	50.1	50.5	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
43.3	50.2	50.6	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
44.6	51.3	51.4	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
48.3	55.2	55.8	56.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
56.7	64.8	65.5	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
62.2	70.8	71.5	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
65.2	74.9	75.7	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
66.3	75.1	76.7	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
69.3	79.5	80.4	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
71.7	82.7	83.7	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
74.5	86.3	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
75.7	87.7	89.5	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
77.1	89.5	91.2	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
77.8	91.3	92.1	94.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
77.9	91.5	92.8	94.6	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
78.1	92.7	94.7	95.1	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
78.4	92.4	94.4	95.4	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
78.4	92.7	94.5	95.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
78.5	92.8	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
78.5	92.8	94.8	96.1	97.3	97.9	98.1	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
78.5	92.9	95.0	96.3	97.6	98.4	98.9	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
78.5	92.9	95.0	96.4	97.7	98.6	99.2	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
78.5	92.9	95.0	96.6	97.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.5	92.9	95.0	96.6	97.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.5	92.9	95.0	96.6	97.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS



AD-A128 120

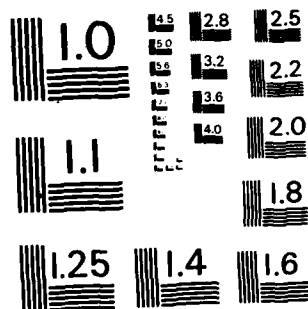
BOSCOMBE DOWN UNITED KINGDOM REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER O..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 83  
UNCLASSIFIED USAFETAC/DS-83/008 SBI-AD-E850 370

F/G 4/2

NL

3/5







GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-87

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

29.8	34.3	34.7	34.8	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
42.3	49.1	49.7	49.8	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
42.3	49.1	49.7	49.8	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
42.4	49.3	49.8	49.9	50.3	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
42.8	49.6	50.2	50.3	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
43.8	50.9	51.4	51.5	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
45.8	53.6	54.2	54.4	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
46.9	55.0	55.5	55.8	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
47.5	55.8	56.3	56.6	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
47.9	56.3	56.9	57.1	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
50.9	59.5	60.1	60.3	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
56.3	65.8	66.8	67.3	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
60.1	69.8	71.3	71.8	72.7	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
62.3	72.3	74.0	74.7	75.6	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
64.3	74.3	76.2	77.0	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
67.0	77.8	79.8	80.6	81.5	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
68.6	80.4	82.7	83.7	84.5	84.9	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
70.5	82.8	85.4	86.3	87.2	87.7	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
71.3	83.8	86.4	87.3	88.3	88.7	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
72.5	85.4	88.0	89.1	90.0	90.4	90.5	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
73.4	86.9	89.7	90.8	91.7	92.1	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
73.8	87.8	90.8	91.9	92.8	93.4	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
73.9	88.0	91.0	92.1	93.0	93.6	93.7	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
74.3	88.6	91.6	92.7	93.6	94.2	94.3	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
74.5	88.9	91.9	93.0	94.0	94.6	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
74.5	89.2	92.1	93.5	94.4	95.1	95.2	95.7	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0
74.5	89.5	92.5	94.0	95.0	95.7	95.8	96.2	96.2	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6
74.5	89.7	92.8	94.5	96.0	96.8	96.9	97.7	97.7	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
74.5	89.7	92.8	94.6	96.4	97.3	97.4	98.5	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2
74.5	89.7	92.8	94.6	96.4	97.5	97.7	99.0	99.2	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7
74.5	89.7	92.8	94.6	96.4	97.5	97.7	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
74.5	89.7	92.8	94.6	96.4	97.5	97.7	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

877

USAF ETAC 0-14-5 HOL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

444

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2122-2320

28.2	38.3	41.1	42.3	42.7	42.8	42.9	42.9	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
35.0	47.7	51.0	52.9	53.3	53.6	53.8	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6
35.1	47.8	51.1	53.0	53.4	53.7	53.9	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7
35.1	47.8	51.1	53.0	53.4	53.7	53.9	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7
35.4	48.2	51.5	53.3	53.8	54.1	54.4	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.2
38.1	51.0	54.4	56.3	56.8	57.1	57.3	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1
39.2	52.4	56.1	58.5	58.9	59.5	59.7	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.6
39.9	53.6	57.5	60.0	60.4	61.0	61.2	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0
40.1	53.9	57.8	60.3	60.8	61.4	61.6	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4
40.4	54.2	58.1	60.7	61.1	61.8	62.0	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8
41.7	56.1	60.0	62.7	63.2	63.9	64.1	64.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
45.4	60.8	64.9	68.2	69.2	70.0	70.2	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0
46.8	62.4	66.6	70.2	71.1	71.9	72.1	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.1
47.8	63.9	68.1	71.7	72.9	73.7	74.0	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9
49.0	65.4	69.8	73.4	74.7	75.5	75.7	76.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
51.9	69.2	73.4	78.7	79.5	79.7	80.2	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.0
52.8	70.4	74.9	79.1	80.5	81.3	81.7	82.1	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.9
53.9	72.7	77.3	81.7	83.3	84.1	84.4	84.9	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.8
54.8	74.3	78.9	83.3	84.9	85.7	86.0	86.5	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.4
55.8	75.8	80.4	84.9	86.5	87.4	87.7	88.2	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.2
56.7	76.9	81.7	86.1	88.0	88.9	89.2	89.7	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.7
56.8	77.4	82.1	86.6	88.4	89.3	89.7	90.1	90.8	90.9	90.9	90.9	90.9	91.1	91.1	91.2
57.1	77.9	82.6	87.2	89.2	90.1	90.5	90.9	91.6	91.7	91.7	91.7	91.7	91.9	91.9	92.0
57.1	78.0	83.0	87.6	89.7	90.7	91.1	91.5	92.2	92.3	92.3	92.3	92.3	92.4	92.4	92.5
57.3	78.7	83.7	88.5	90.6	91.6	92.0	92.5	93.2	93.3	93.3	93.3	93.3	93.5	93.5	93.7
57.3	78.7	83.7	88.5	90.6	91.6	92.0	92.5	93.2	93.3	93.3	93.3	93.3	93.5	93.5	93.7
57.3	78.7	83.7	88.8	91.4	92.5	92.9	93.6	94.3	94.4	94.4	94.5	94.5	94.6	94.6	94.7
57.3	78.7	83.9	89.1	92.0	93.2	93.6	94.4	95.1	95.2	95.2	95.3	95.3	95.4	95.4	95.5
57.3	78.8	84.1	89.4	92.9	94.2	94.5	95.4	96.1	96.2	96.2	96.3	96.3	96.4	96.4	96.6
57.3	78.9	84.2	89.6	93.1	94.7	95.3	96.4	97.2	97.5	97.6	97.7	97.7	97.8	97.8	97.9
57.3	78.9	84.3	89.7	93.2	94.8	95.8	97.1	98.1	98.5	98.6	98.9	99.1	99.2	99.2	99.3
57.3	78.9	84.3	89.7	93.2	94.8	95.8	97.4	98.3	98.9	99.0	99.2	99.5	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 872

USAF ETAC 14-510L A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

37463 BOSCOMBE DOWN UK

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS:

ALL

	22.7	29.2	30.7	32.0	32.7	33.1	33.2	33.6	33.8	33.9	34.0	34.1	34.2	34.3	34.3	34.5
100%	30.8	39.3	41.2	42.9	43.9	44.3	44.6	45.0	45.3	45.4	45.5	45.6	45.7	45.9	45.9	46.1
80%	30.3	39.4	41.3	43.0	43.9	44.4	44.6	45.1	45.4	45.5	45.6	45.7	45.8	46.0	46.0	46.2
60%	30.9	39.4	41.3	43.1	44.0	44.4	44.7	45.2	45.4	45.5	45.6	45.7	45.9	46.0	46.0	46.2
40%	31.3	39.9	41.8	43.6	44.5	45.0	45.3	45.8	46.0	46.1	46.2	46.3	46.4	46.6	46.6	46.8
20%	32.6	41.5	43.5	45.2	46.2	46.6	46.9	47.4	47.7	47.8	47.9	48.0	48.1	48.3	48.3	48.5
0%	34.9	43.9	45.9	47.8	48.9	49.4	49.7	50.2	50.4	50.6	50.7	50.8	50.9	51.1	51.1	51.3
100%	35.2	44.9	47.1	49.0	50.1	50.7	51.0	51.5	51.8	51.9	52.0	52.1	52.3	52.4	52.5	52.7
80%	35.4	45.4	47.5	49.5	50.6	51.2	51.5	52.1	52.3	52.4	52.5	52.6	52.8	52.9	53.0	53.2
60%	35.8	45.9	48.0	50.0	51.1	51.7	52.1	52.6	52.9	53.0	53.1	53.2	53.3	53.5	53.5	53.7
40%	37.8	48.1	50.3	52.3	53.5	54.1	54.4	55.0	55.2	55.4	55.5	55.6	55.7	55.9	55.9	56.1
20%	42.0	53.2	55.5	57.8	59.1	59.8	60.2	60.7	61.0	61.2	61.3	61.4	61.5	61.7	61.7	61.9
0%	45.1	56.6	59.1	61.4	62.7	63.4	63.8	64.4	64.7	64.8	64.9	65.0	65.2	65.4	65.4	65.6
100%	47.1	59.2	61.7	64.2	65.5	66.3	66.6	67.3	67.5	67.7	67.8	67.9	68.1	68.3	68.3	68.5
80%	48.5	60.7	63.3	65.8	67.2	67.9	68.3	68.9	69.2	69.4	69.5	69.6	69.8	69.9	70.0	70.2
60%	51.1	63.9	66.6	69.3	70.7	71.5	71.9	72.6	72.8	73.0	73.1	73.2	73.4	73.6	73.6	73.8
40%	53.0	66.4	69.2	72.1	73.6	74.4	74.8	75.4	75.7	75.9	76.0	76.1	76.3	76.5	76.5	76.7
20%	55.1	69.3	72.3	75.3	76.9	77.7	78.1	78.8	79.1	79.2	79.4	79.5	79.7	79.9	79.9	80.1
0%	56.1	70.6	73.8	76.8	78.4	79.2	79.7	80.4	80.7	80.8	80.9	81.1	81.2	81.4	81.5	81.7
100%	57.3	72.6	75.8	78.9	80.6	81.4	81.8	82.5	82.8	83.0	83.1	83.3	83.4	83.6	83.7	83.9
80%	58.7	74.8	78.2	81.4	83.2	84.1	84.5	85.3	85.6	85.8	85.9	86.0	86.2	86.4	86.5	86.7
60%	59.4	76.1	79.6	83.0	84.8	85.8	86.3	87.1	87.4	87.6	87.7	87.8	88.0	88.2	88.2	88.4
40%	59.6	76.7	80.2	83.6	85.5	86.6	87.1	87.9	88.2	88.4	88.5	88.6	88.8	89.0	89.1	89.3
20%	59.9	77.2	80.8	84.3	86.3	87.4	87.9	88.7	89.0	89.2	89.3	89.4	89.6	89.8	89.9	90.1
0%	60.2	77.8	81.5	85.2	87.2	88.4	88.9	89.8	90.1	90.3	90.4	90.6	90.8	91.0	91.0	91.2
100%	60.5	78.5	82.3	86.2	88.3	89.5	90.2	91.1	91.4	91.6	91.8	91.9	92.1	92.3	92.4	92.6
80%	60.5	78.7	82.6	86.6	89.0	90.3	91.1	92.0	92.4	92.6	92.8	92.9	93.1	93.3	93.4	93.6
60%	60.6	78.9	82.9	87.1	90.0	91.4	92.3	93.4	93.8	94.0	94.1	94.3	94.5	94.7	94.7	94.9
40%	60.6	79.1	83.1	87.5	90.7	92.3	93.2	94.6	95.1	95.3	95.5	95.6	95.8	96.0	96.1	96.3
20%	60.6	79.1	83.2	87.8	91.1	92.9	94.0	95.6	96.1	96.4	96.6	96.8	97.0	97.2	97.2	97.4
0%	60.6	79.1	83.2	87.9	91.3	93.1	94.4	96.3	96.9	97.5	97.7	98.0	98.2	98.6	98.6	99.0
100%	60.6	79.1	83.2	87.9	91.3	93.2	94.4	96.4	97.0	97.7	98.1	98.3	98.6	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6968

USAF ETAC 0-14.5 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

037460

BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-2000

VISIBILITY (STAT. MILES)		20	26	32	38	44	50	56	62	68	74	80	86	92	98	100
0-1/4	1/4	23.3	34.8	38.2	40.6	41.7	42.1	42.2	42.7	43.3	43.4	43.5	43.5	43.6	43.8	43.9
1/4	1/2	27.3	40.7	44.6	48.0	49.3	49.8	49.9	50.4	51.0	51.1	51.2	51.2	51.5	51.6	51.7
1/2	3/4	27.3	40.7	44.6	48.0	49.3	49.8	49.9	50.4	51.0	51.1	51.2	51.2	51.5	51.6	51.7
3/4	1	27.3	40.7	44.6	48.0	49.3	49.8	49.9	50.4	51.0	51.1	51.2	51.2	51.5	51.6	51.7
1	1 1/4	27.6	41.0	44.9	48.2	49.7	50.1	50.2	50.8	51.3	51.5	51.6	51.6	51.8	51.9	52.0
1 1/4	1 1/2	28.9	42.5	46.4	49.8	51.3	51.8	51.9	52.5	53.0	53.1	53.2	53.2	53.5	53.6	53.7
1 1/2	1 3/4	30.6	45.0	49.2	52.8	54.5	55.0	55.1	55.7	56.4	56.5	56.6	56.6	56.8	56.9	57.0
1 3/4	2	31.5	46.2	50.8	54.5	56.4	56.9	57.0	57.6	58.3	58.4	58.5	58.5	58.7	58.8	58.9
2	2 1/4	31.5	46.3	50.9	54.6	56.5	57.0	57.1	57.7	58.4	58.5	58.6	58.6	58.8	58.9	59.0
2 1/4	2 1/2	31.6	46.5	51.1	54.8	56.7	57.3	57.4	57.9	58.6	58.7	58.8	58.8	59.0	59.2	59.3
2 1/2	2 3/4	32.7	47.9	52.5	56.1	58.0	58.6	58.7	59.3	59.9	60.0	60.2	60.2	60.4	60.5	60.6
2 3/4	3	34.5	50.7	55.6	59.5	61.6	62.3	62.4	63.1	63.7	63.8	64.0	64.0	64.2	64.3	64.4
3	3 1/4	35.6	52.8	57.9	62.2	64.3	65.1	65.2	65.8	66.5	66.6	66.7	66.7	67.0	67.1	67.2
3 1/4	3 1/2	35.9	53.5	58.6	62.9	65.1	65.8	66.0	66.6	67.3	67.4	67.5	67.5	67.7	67.9	68.0
3 1/2	3 3/4	37.3	55.1	60.3	64.6	66.7	67.6	67.7	68.4	69.1	69.2	69.3	69.3	69.5	69.6	69.8
3 3/4	4	39.7	57.9	63.3	67.9	70.1	71.1	71.2	71.9	72.5	72.7	72.8	72.8	73.0	73.1	73.2
4	4 1/4	41.3	60.5	66.3	71.0	73.3	74.4	74.7	75.3	76.1	76.1	76.2	76.2	76.5	76.6	76.7
4 1/4	4 1/2	44.0	64.0	69.8	74.8	77.1	78.3	78.6	79.2	79.9	80.0	80.1	80.1	80.4	80.5	80.6
4 1/2	4 3/4	44.1	64.3	70.2	75.7	78.0	79.2	79.5	80.1	80.8	80.9	81.0	81.0	81.3	81.4	81.5
4 3/4	5	44.9	65.6	71.8	77.5	79.9	81.1	81.4	82.0	82.7	82.8	82.9	82.9	83.1	83.3	83.4
5	5 1/4	46.8	68.6	75.1	80.8	83.4	84.7	84.9	85.6	86.3	86.4	86.5	86.5	86.7	86.8	86.9
5 1/4	5 1/2	47.4	69.9	76.3	82.0	84.8	86.5	86.8	87.5	88.2	88.3	88.4	88.4	88.6	88.7	88.8
5 1/2	5 3/4	48.0	70.9	77.3	83.1	85.9	87.6	87.9	88.6	89.3	89.4	89.5	89.5	89.7	89.8	90.0
5 3/4	6	48.2	71.3	78.0	83.8	86.6	88.3	88.6	89.3	90.0	90.1	90.2	90.2	90.4	90.5	90.6
6	6 1/4	48.5	72.2	79.4	85.2	87.9	89.6	90.0	90.6	91.3	91.4	91.5	91.5	91.7	91.9	92.0
6 1/4	6 1/2	48.9	73.1	80.7	86.5	89.4	91.3	91.6	92.3	93.0	93.1	93.2	93.2	93.4	93.5	93.6
6 1/2	6 3/4	48.9	73.4	81.1	87.2	90.2	92.1	92.4	93.2	93.9	94.0	94.1	94.1	94.3	94.4	94.5
6 3/4	7	49.0	74.1	81.9	88.3	91.4	93.5	94.0	94.9	95.5	95.6	95.8	95.8	96.0	96.1	96.2
7	7 1/4	49.3	75.1	83.3	90.0	93.2	95.4	96.0	96.9	97.5	97.7	97.8	97.8	98.0	98.1	98.2
7 1/4	7 1/2	49.3	75.2	83.4	90.1	93.5	95.9	96.4	97.3	98.0	98.1	98.2	98.2	98.4	98.5	98.7
7 1/2	7 3/4	49.4	75.3	83.5	90.3	94.0	96.3	96.9	97.8	98.5	98.7	98.8	98.8	99.0	99.1	99.3
7 3/4	8	49.4	75.3	83.5	90.3	94.0	96.3	97.0	98.0	98.8	98.9	99.2	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 896



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1-1000	15.7	23.7	26.1	28.3	29.3	30.1	30.5	31.3	31.7	31.8	32.1	32.2	32.7	33.0	33.2	34.6		
2-1000	18.6	29.3	32.7	35.5	37.0	37.9	38.3	39.4	39.8	39.9	40.2	40.3	40.9	41.3	41.5	43.0		
3-1000	18.6	29.3	32.7	35.5	37.0	37.9	38.3	39.4	39.8	39.9	40.2	40.3	40.9	41.3	41.5	43.0		
4-1000	18.7	29.5	32.8	35.7	37.1	38.0	38.4	39.5	39.9	40.0	40.3	40.4	41.0	41.4	41.6	43.1		
5-1000	19.3	30.1	33.4	36.4	37.9	38.8	39.2	40.3	40.6	40.8	41.1	41.3	41.9	42.3	42.5	44.0		
6-1000	20.4	31.9	35.2	38.3	39.8	40.6	41.1	42.2	42.5	42.6	43.0	43.2	43.7	44.2	44.4	45.8		
7-1000	22.6	35.2	38.5	41.9	43.3	44.3	44.7	45.8	46.2	46.3	46.6	46.8	47.4	47.8	48.1	49.5		
8-1000	23.3	36.2	39.8	43.2	44.9	45.8	46.3	47.5	47.8	48.0	48.3	48.5	49.1	49.6	49.8	51.3		
9-1000	23.4	36.4	40.0	43.4	45.1	46.2	46.7	48.0	48.3	48.4	48.7	48.9	49.5	50.1	50.3	51.7		
10-1000	23.5	36.8	40.4	43.9	45.5	46.6	47.2	48.4	48.9	49.1	49.4	49.6	50.2	50.7	50.9	52.4		
11-1000	24.0	37.5	41.4	45.0	46.6	47.7	48.4	49.6	50.4	50.5	50.8	51.1	51.6	52.2	52.4	53.8		
12-1000	26.5	40.5	44.6	48.5	50.4	51.5	52.3	53.5	54.4	54.6	54.9	55.1	55.7	56.3	56.5	57.9		
13-1000	27.8	43.2	47.3	51.4	53.4	54.5	55.3	56.5	57.4	57.7	58.0	58.3	58.8	59.4	59.6	61.0		
14-1000	28.2	44.1	48.3	52.6	54.6	55.8	56.7	57.9	58.8	59.1	59.5	59.7	60.2	60.8	61.0	62.5		
15-1000	29.1	45.7	50.2	54.7	56.7	57.9	58.8	60.0	61.0	61.4	61.7	61.9	62.5	63.0	63.2	64.7		
16-1000	32.2	49.1	53.6	58.4	60.5	61.8	62.8	64.0	65.0	65.3	65.7	65.9	66.4	67.1	67.3	68.9		
17-1000	33.7	51.1	55.7	60.7	62.9	64.2	65.2	66.4	67.4	67.8	68.1	68.3	68.9	69.5	69.8	71.3		
18-1000	35.8	54.4	59.2	64.8	67.3	68.8	69.8	71.3	72.3	72.6	73.0	73.2	73.8	74.4	74.6	76.2		
19-1000	36.7	55.6	60.5	66.0	68.5	70.0	71.0	72.5	73.5	73.9	74.2	74.4	75.0	75.6	75.9	77.4		
20-1000	37.8	56.8	61.8	67.8	70.4	71.9	73.0	74.5	75.5	75.9	76.2	76.4	77.0	77.6	77.9	79.4		
21-1000	39.3	58.8	64.0	70.4	73.2	74.9	76.0	77.6	78.6	79.0	79.3	79.5	80.1	80.7	81.0	82.5		
22-1000	40.3	60.5	65.9	72.3	75.2	76.9	78.0	79.6	80.6	81.0	81.3	81.5	82.1	82.7	82.9	84.5		
23-1000	40.6	61.2	66.8	73.2	76.1	77.7	78.8	80.5	81.5	81.8	82.2	82.4	82.9	83.6	83.8	85.4		
24-1000	41.4	62.2	67.8	74.3	77.2	79.0	80.1	81.7	82.7	83.1	83.4	83.6	84.2	84.8	85.0	86.6		
25-1000	41.5	63.3	69.0	76.0	79.0	80.8	81.9	83.6	84.6	84.9	85.3	85.5	86.0	86.7	86.9	88.5		
26-1000	42.2	64.3	70.1	77.4	80.6	82.8	83.9	85.4	86.6	86.9	87.3	87.5	88.0	88.7	88.9	90.5		
27-1000	42.5	65.1	71.0	79.0	82.2	84.4	85.5	87.3	88.3	88.6	88.9	89.1	89.7	90.4	90.6	92.1		
28-1000	42.7	65.3	71.3	79.6	83.3	85.7	86.8	88.6	89.6	89.9	90.3	90.5	91.0	91.7	91.9	93.5		
29-1000	42.9	65.8	72.2	81.1	84.8	87.4	88.6	90.5	91.5	91.8	92.1	92.4	92.9	93.6	93.8	95.3		
30-1000	42.9	66.1	72.5	81.7	86.3	89.5	90.9	92.9	94.0	94.5	94.8	95.0	95.6	96.2	96.5	98.0		
31-1000	42.9	66.2	72.6	81.8	86.4	89.7	91.1	93.4	94.5	94.9	95.2	95.5	96.0	96.9	97.1	99.0		
32-1000	42.9	66.2	72.6	81.8	86.4	89.7	91.1	93.4	94.6	95.0	95.3	95.6	96.2	97.6	97.9	100.0		

TOTAL NUMBER OF OBSERVATIONS 903



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

027460 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-2800

16.1	21.7	22.8	25.0	25.8	26.2	26.4	26.7	26.9	26.9	27.1	27.1	27.4	27.4	27.5	27.6
21.0	29.2	30.6	33.3	34.3	35.2	35.8	36.1	36.3	36.3	36.9	36.9	37.1	37.1	37.2	37.3
21.0	29.2	30.6	33.3	34.3	35.2	35.8	36.1	36.3	36.3	36.9	36.9	37.1	37.1	37.2	37.3
21.0	29.2	30.6	33.3	34.3	35.2	35.8	36.1	36.3	36.3	36.9	36.9	37.1	37.1	37.2	37.3
21.5	29.6	31.1	33.7	34.7	35.6	36.2	36.5	36.8	36.8	37.3	37.3	37.6	37.6	37.7	37.8
22.9	31.7	33.6	36.3	37.5	38.4	38.9	39.3	39.6	39.7	40.3	40.3	40.5	40.6	40.7	40.9
26.0	36.1	38.3	41.2	42.5	43.4	43.9	44.3	44.6	44.7	45.3	45.3	45.5	45.6	45.7	45.9
27.0	37.3	39.7	42.9	44.5	45.5	46.2	46.7	47.0	47.1	47.7	47.7	47.9	48.0	48.1	48.2
27.2	37.7	40.1	43.5	45.3	46.3	47.0	47.4	47.8	47.9	48.5	48.5	48.7	48.8	48.9	49.0
27.5	38.1	40.5	43.9	45.7	46.8	47.4	47.9	48.2	48.4	48.9	48.9	49.1	49.3	49.4	49.5
29.1	40.1	42.6	46.0	47.8	48.8	49.5	49.9	50.4	50.5	51.1	51.1	51.3	51.4	51.5	51.6
31.3	43.0	45.6	49.3	51.4	52.4	53.3	53.8	54.3	54.4	54.9	54.9	55.2	55.3	55.4	55.5
32.6	44.8	47.7	51.4	53.7	54.8	55.8	56.3	56.9	57.0	57.5	57.5	57.8	57.9	58.0	58.1
33.4	45.7	48.8	52.9	55.2	56.3	57.3	57.8	58.3	58.5	59.0	59.1	59.4	59.5	59.6	59.8
34.5	47.3	50.1	54.5	56.9	58.0	59.0	59.5	60.0	60.2	60.7	60.8	61.1	61.2	61.3	61.5
36.0	48.9	52.0	56.5	58.9	60.0	61.2	61.6	62.2	62.4	63.0	63.1	63.3	63.5	63.6	63.8
38.1	51.4	54.5	59.0	61.5	62.7	63.8	64.2	64.8	65.0	65.6	65.7	65.9	66.1	66.2	66.4
40.6	54.6	57.8	62.3	64.8	65.9	67.2	67.7	68.2	68.4	69.0	69.1	69.4	69.5	69.6	69.8
42.2	56.5	59.7	64.2	66.7	67.9	69.1	69.6	70.1	70.4	70.9	71.1	71.3	71.4	71.5	71.7
43.6	58.3	61.6	66.4	68.9	70.1	71.4	71.9	72.4	72.6	73.2	73.3	73.6	73.7	73.8	74.0
46.0	62.0	65.3	70.0	72.5	73.9	75.1	75.6	76.2	76.4	77.0	77.1	77.3	77.4	77.5	77.8
47.0	64.0	67.3	72.3	74.8	76.2	77.5	78.0	78.7	78.9	79.5	79.6	79.8	79.9	80.0	80.2
48.1	65.7	69.1	74.1	76.6	78.0	79.3	79.8	80.5	80.7	81.3	81.4	81.6	81.7	81.8	82.1
48.7	66.5	69.9	75.0	77.6	79.0	80.4	80.8	81.5	81.7	82.3	82.4	82.6	82.7	82.9	83.1
49.4	68.2	71.7	77.2	80.1	81.6	83.0	83.4	84.1	84.3	84.9	85.0	85.2	85.4	85.5	85.7
50.6	69.9	73.6	79.9	83.0	84.6	86.0	86.5	87.2	87.4	88.0	88.1	88.3	88.4	88.5	88.8
51.3	71.5	75.3	82.0	85.4	87.1	88.6	89.1	89.8	90.0	90.6	90.7	90.9	91.0	91.1	91.4
51.5	72.2	76.3	83.1	87.2	89.2	90.8	91.5	92.2	92.5	93.1	93.2	93.4	93.5	93.6	93.9
51.6	72.9	77.2	84.1	88.6	90.9	92.5	93.3	94.0	94.3	94.9	95.0	95.2	95.3	95.5	95.7
51.6	73.0	77.5	84.7	89.8	92.2	94.0	95.0	95.8	96.1	96.8	96.9	97.2	97.3	97.4	97.6
51.6	73.0	77.5	84.7	89.8	92.3	94.3	95.6	96.6	97.0	97.7	97.8	98.2	98.4	98.5	98.9
51.6	73.0	77.5	84.7	89.8	92.3	94.3	95.7	96.7	97.2	97.8	98.1	98.4	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

881



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

		VISIBILITY - STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1	1000	18.2	24.2	24.9	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
2	900	25.7	33.3	34.1	34.6	34.9	34.9	34.9	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
3	800	26.0	33.6	34.5	34.9	35.3	35.3	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
4	700	26.6	34.1	35.0	35.6	35.9	35.9	36.0	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
5	600	28.1	36.8	38.0	38.6	38.9	38.9	39.0	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
6	500	32.0	41.3	42.8	43.5	43.9	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
7	400	33.4	43.0	44.8	45.6	46.2	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
8	300	33.7	43.4	45.2	45.9	46.5	46.5	46.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
9	200	34.3	44.0	45.8	46.6	47.2	47.2	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
10	100	35.7	45.7	47.6	48.4	48.9	48.9	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
11	50	41.3	51.8	53.8	54.7	55.3	55.3	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
12	40	43.5	54.6	56.6	57.5	58.1	58.1	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
13	30	45.4	56.7	58.7	59.7	60.3	60.3	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
14	20	46.3	57.7	59.7	60.8	61.4	61.4	61.5	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
15	10	49.8	61.5	63.5	64.6	65.3	65.3	65.4	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
16	5	53.4	65.2	67.3	68.4	69.1	69.1	69.2	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
17	2	59.7	72.1	74.2	75.4	76.1	76.1	76.2	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
18	1	61.8	74.6	76.9	78.1	78.8	78.8	78.9	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
19	0.5	64.2	77.6	79.9	81.2	82.2	82.3	82.4	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
20	0.2	68.0	82.4	84.9	86.2	87.3	87.4	87.5	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
21	0.1	69.2	84.4	87.0	88.4	89.5	89.7	89.8	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
22	0.05	69.7	85.4	88.0	89.9	91.0	91.1	91.2	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
23	0.02	70.5	86.4	89.0	91.0	92.2	92.3	92.5	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
24	0.01	71.5	88.0	90.5	92.7	94.1	94.3	94.5	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
25	0.005	72.1	88.8	91.3	93.5	95.6	96.0	96.2	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
26	0.002	72.1	88.8	91.3	93.7	95.9	96.3	96.7	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
27	0.001	72.2	88.9	91.8	94.3	97.2	97.8	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
28	0.0005	72.2	88.9	91.8	94.3	97.7	98.2	98.7	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29	0.0002	72.2	88.9	91.8	94.3	97.7	98.2	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
30	0.0001	72.2	88.9	91.8	94.3	97.7	98.2	98.8	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

895



1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

	16.1	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
	24.5	30.7	30.8	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
	24.5	30.7	30.8	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
	24.6	30.8	30.9	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
	25.7	32.0	32.1	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
	27.0	33.9	34.0	34.4	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
	30.5	38.0	38.1	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
	32.0	40.4	40.5	41.3	41.4	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
	32.3	40.6	40.8	41.6	41.7	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
	32.7	41.3	41.4	42.3	42.4	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
	35.8	45.2	45.7	46.6	46.7	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
	46.6	57.2	57.7	58.9	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
	52.0	62.9	63.5	64.6	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	56.0	67.5	68.1	69.2	69.3	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
	58.8	70.3	70.8	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
	64.1	75.9	76.5	77.6	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
	67.6	79.4	80.1	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
	73.5	85.9	86.9	88.1	88.2	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
	74.6	87.3	88.3	89.4	89.6	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
	76.8	90.4	91.4	92.5	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	79.0	93.0	94.3	95.5	95.6	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	79.4	94.0	95.3	96.6	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	79.4	94.1	95.4	96.7	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
	79.7	94.4	95.6	96.9	97.0	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
	79.8	94.9	96.3	97.6	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
	79.8	94.9	96.3	97.7	98.0	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
	79.9	95.2	96.7	98.0	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
	79.9	95.3	96.8	98.3	99.1	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	79.9	95.3	96.8	98.3	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	79.9	95.3	96.8	98.3	99.1	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	79.9	95.3	96.8	98.3	99.1	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	79.9	95.3	96.8	98.3	99.1	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

871

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

37463 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

		VISIBILITY (STATUTE MILES)																			
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
1000	FEET	22.1	26.3	26.4	26.4	26.4	26.4	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
900	FEET	35.2	40.6	40.7	40.7	40.8	40.8	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
800	FEET	35.2	40.6	40.7	40.7	40.8	40.8	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
700	FEET	35.3	40.7	40.8	40.8	40.9	40.9	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
600	FEET	35.9	41.3	41.4	41.4	41.6	41.6	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
500	FEET	37.7	43.1	43.3	43.3	43.4	43.4	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
400	FEET	40.9	46.4	46.7	46.9	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
300	FEET	42.6	48.3	48.7	49.0	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
200	FEET	42.8	48.6	48.9	49.2	49.4	49.4	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
100	FEET	43.3	49.4	49.8	50.2	50.4	50.4	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
0	FEET	47.1	54.4	54.8	55.2	55.4	55.4	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1000	FEET	57.7	66.3	66.9	67.4	67.7	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
900	FEET	62.7	72.3	73.0	73.6	73.8	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
800	FEET	66.2	76.4	77.1	77.7	77.9	78.1	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
700	FEET	67.7	78.0	78.7	79.2	79.4	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
600	FEET	70.3	81.4	82.1	82.7	82.9	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
500	FEET	73.7	85.2	86.0	86.6	86.8	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
400	FEET	77.4	90.1	90.9	91.7	91.9	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
300	FEET	78.0	90.7	91.4	92.3	92.6	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
200	FEET	79.3	92.4	93.3	94.2	94.4	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
100	FEET	80.1	93.4	94.3	95.3	95.6	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	FEET	80.7	94.1	95.0	96.2	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
1000	FEET	80.7	94.6	95.6	96.8	97.1	97.3	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
900	FEET	80.7	94.8	95.8	97.0	97.3	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
800	FEET	80.8	95.4	96.4	98.0	98.3	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
700	FEET	80.8	95.7	96.7	98.3	98.8	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	FEET	80.8	95.7	96.8	98.4	99.0	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	FEET	80.8	95.7	96.8	98.4	99.0	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	FEET	80.8	95.7	96.8	98.6	99.1	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	FEET	80.8	95.7	96.8	98.7	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	FEET	80.8	95.7	96.8	98.7	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	FEET	80.8	95.7	96.8	98.7	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	FEET	80.8	95.7	96.8	98.7	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 10-14-5-OL A1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

2

JUL

1933-2000

TOTAL NUMBER OF OBSERVATIONS. 885



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEAT R SERVICE/MAC

## CEILING VERSUS VARIABILITY

037460 BOSCOMBE DOWN UK

**73-82**

JUL

2-2300

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

35.6	34.7	37.2	38.2	38.9	39.0	39.1	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
35.1	48.0	57.7	51.8	52.5	52.6	52.7	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
35.1	48.0	50.7	51.8	52.5	52.6	52.7	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
35.2	48.2	50.8	52.0	52.6	52.7	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
35.8	49.2	51.8	53.0	53.6	53.8	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
37.3	50.8	53.8	55.1	55.9	56.0	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
39.5	53.6	56.7	58.3	59.5	59.6	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
40.6	55.0	58.3	60.0	61.4	61.5	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
40.8	55.1	58.5	60.1	61.5	61.6	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
40.9	55.2	58.6	60.2	61.6	61.7	61.9	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
41.4	56.2	59.7	61.5	62.8	62.9	63.2	63.7	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
44.5	60.6	64.5	66.3	67.7	68.0	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
45.6	63.3	67.2	69.1	70.5	70.8	71.0	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
46.9	64.8	68.8	70.7	72.1	72.3	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
48.2	66.5	70.5	72.5	74.2	74.5	74.8	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
50.6	70.1	74.6	76.7	78.6	78.8	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
52.2	72.5	77.0	79.5	81.4	81.6	82.0	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
55.1	76.4	81.5	84.1	86.0	86.2	86.6	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
55.5	76.9	82.2	84.9	86.8	87.0	87.3	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
56.0	77.7	83.2	85.9	88.1	88.4	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
57.0	79.5	85.4	88.2	90.5	90.8	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
57.7	80.4	86.5	89.2	91.5	91.8	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
57.9	80.6	86.7	89.5	91.7	92.0	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
58.6	81.7	87.8	90.6	92.8	93.2	93.5	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
59.2	83.2	89.2	92.0	94.4	94.7	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
59.5	84.1	90.1	93.1	95.5	95.9	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
59.6	84.2	90.7	93.6	96.1	96.4	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
59.6	84.4	91.3	94.3	96.8	97.1	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
59.8	84.9	91.7	95.2	98.0	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
59.9	85.1	91.9	95.4	98.2	98.5	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
59.9	85.1	91.9	95.4	98.2	98.5	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
59.9	85.1	91.9	95.4	98.2	98.5	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 893



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

27.0	28.3	29.3	29.8	30.3	30.2	30.4	30.6	30.6	30.7	30.7	30.9	30.9	30.9	31.1
37.5	39.1	40.4	41.1	41.4	41.5	41.9	42.0	42.1	42.2	42.2	42.3	42.4	42.4	42.6
37.5	39.1	40.4	41.1	41.4	41.6	41.9	42.0	42.1	42.2	42.2	42.3	42.4	42.5	42.7
37.6	39.2	40.5	41.2	41.5	41.7	42.0	42.1	42.2	42.3	42.3	42.4	42.5	42.6	42.9
38.3	40.3	41.3	42.0	42.3	42.5	42.8	43.0	43.0	43.1	43.2	43.3	43.4	43.4	43.6
40.3	42.1	43.5	44.2	44.5	44.7	45.1	45.2	45.3	45.4	45.4	45.6	45.7	45.7	45.9
44.0	45.9	47.5	48.3	48.7	48.9	49.2	49.4	49.4	49.6	49.6	49.7	49.8	49.8	50.0
45.6	47.7	49.4	50.4	50.8	51.0	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.0	52.2
45.9	48.0	49.8	50.8	51.2	51.4	51.8	52.0	52.0	52.2	52.2	52.3	52.4	52.5	52.7
46.5	48.6	50.4	51.4	51.8	52.0	52.4	52.6	52.7	52.8	52.8	52.9	53.0	53.1	53.3
48.8	51.0	52.8	53.8	54.2	54.5	54.9	55.1	55.2	55.3	55.3	55.5	55.6	55.6	55.8
55.0	57.4	59.4	60.5	61.0	61.3	61.7	62.0	62.0	62.2	62.2	62.3	62.4	62.5	62.7
58.5	61.0	63.1	64.3	64.8	65.1	65.5	65.8	65.9	66.0	66.0	66.1	66.2	66.3	66.5
60.6	63.1	65.4	66.5	67.0	67.4	67.8	68.1	68.2	68.3	68.3	68.4	68.5	68.6	68.8
62.2	64.8	67.1	68.4	68.9	69.2	69.6	69.9	70.0	70.2	70.2	70.3	70.4	70.5	70.7
65.8	68.5	70.9	72.2	72.7	73.1	73.5	73.8	73.9	74.1	74.1	74.2	74.4	74.4	74.6
68.7	71.5	74.0	75.4	75.9	76.3	76.7	77.0	77.1	77.3	77.3	77.5	77.6	77.6	77.8
73.2	76.2	78.8	80.2	80.8	81.2	81.6	82.0	82.1	82.2	82.3	82.4	82.5	82.5	82.8
74.4	77.4	80.2	81.5	82.1	82.5	83.0	83.3	83.4	83.6	83.6	83.7	83.8	83.9	84.1
76.2	79.3	82.2	83.7	84.3	84.7	85.2	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.3
78.7	82.1	85.0	86.5	87.2	87.7	88.1	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.3
79.9	83.3	86.4	88.0	88.7	89.2	89.6	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.8
83.7	84.1	87.2	88.8	89.6	90.0	90.5	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.7
81.4	84.8	88.0	89.6	90.4	90.9	91.4	91.7	91.8	92.0	92.0	92.2	92.3	92.3	92.6
82.4	85.9	89.3	91.1	91.9	92.3	92.8	93.2	93.3	93.5	93.5	93.6	93.7	93.8	94.0
83.1	86.7	90.3	92.2	93.2	93.7	94.2	94.5	94.7	94.8	94.8	95.0	95.1	95.1	95.4
83.5	87.3	91.1	93.1	94.1	94.6	95.1	95.5	95.6	95.8	95.8	95.9	96.1	96.1	96.3
83.8	87.7	91.7	94.0	95.1	95.7	96.2	96.6	96.7	96.9	96.9	97.1	97.2	97.2	97.4
84.1	88.2	92.3	94.8	96.0	96.6	97.2	97.6	97.8	97.9	97.9	98.1	98.2	98.2	98.5
84.2	88.3	92.6	95.3	96.6	97.2	97.9	98.3	98.5	98.6	98.7	98.8	98.9	99.0	99.2
84.2	88.3	92.6	95.4	96.7	97.4	98.2	98.6	98.8	98.9	99.0	99.1	99.3	99.3	99.6
84.2	88.3	92.6	95.4	96.7	97.4	98.2	98.7	98.8	99.0	99.1	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7128



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

19860 BOSCOMBE DOWN UK

73-82

Aug

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

71.3	35.3	39.3	44.2	47.1	48.9	50.3	51.7	51.9	52.0	52.0	52.0	52.1	52.3	52.5	52.8
24.2	38.9	43.0	48.6	51.7	54.2	55.9	57.7	58.0	58.2	58.2	58.2	58.3	58.5	58.6	59.0
24.2	38.9	43.0	48.6	51.7	54.2	55.9	57.7	58.0	58.2	58.2	58.2	58.3	58.5	58.6	59.0
24.2	38.9	43.0	48.6	51.7	54.2	55.9	57.7	58.0	58.2	58.2	58.2	58.3	58.5	58.6	59.0
24.6	39.3	43.4	49.1	52.2	54.7	56.4	58.3	58.6	58.7	58.7	58.7	58.8	59.1	59.2	59.5
24.6	39.9	44.7	49.7	53.0	55.5	57.2	59.3	59.6	59.7	59.7	59.7	59.9	60.1	60.2	60.5
25.7	41.4	45.6	51.4	54.7	57.2	59.0	61.1	61.5	61.6	61.6	61.6	61.7	61.9	62.0	62.4
25.9	41.7	46.0	51.9	55.3	57.8	59.7	62.0	62.5	62.6	62.6	62.6	62.7	62.9	63.1	63.4
26.5	42.5	46.9	52.9	56.3	58.8	60.8	63.1	63.5	63.6	63.6	63.6	63.7	64.0	64.1	64.4
26.6	42.8	47.0	53.0	56.4	59.0	61.0	63.3	63.7	63.9	63.9	63.9	64.0	64.2	64.3	64.7
27.4	44.2	48.6	54.7	58.3	60.9	62.9	65.2	65.7	65.8	65.8	65.8	65.9	66.1	66.2	66.6
28.3	46.4	50.7	56.9	60.5	63.2	65.6	67.8	68.3	68.4	68.4	68.4	68.5	68.8	68.9	69.2
29.1	47.7	52.2	58.5	62.1	64.8	67.2	69.4	70.0	70.2	70.2	70.2	70.4	70.6	70.7	71.0
29.9	49.5	54.2	60.4	64.1	66.7	69.2	71.5	72.1	72.3	72.3	72.3	72.4	72.6	72.7	73.1
30.1	49.9	54.8	61.1	64.8	67.4	69.9	72.2	72.7	73.0	73.0	73.0	73.1	73.3	73.4	73.8
31.8	52.6	57.7	64.0	67.6	70.4	73.0	75.4	75.9	76.2	76.2	76.2	76.3	76.5	76.6	77.0
32.7	54.0	59.2	65.5	69.1	71.8	74.5	77.0	77.5	77.8	77.8	77.8	78.0	78.3	78.4	78.8
33.4	55.6	60.8	67.0	70.8	73.5	76.2	78.8	79.6	79.8	79.8	79.8	80.0	80.4	80.5	80.9
33.5	55.9	61.0	67.4	71.2	74.0	76.6	79.4	80.2	80.4	80.4	80.4	80.6	81.0	81.1	81.4
34.1	56.9	62.7	68.5	72.3	75.1	77.9	80.6	81.4	81.6	81.6	81.8	82.0	82.3	82.4	82.9
34.7	58.5	63.7	70.4	74.1	77.2	79.9	82.7	83.0	83.7	83.7	83.8	84.0	84.4	84.5	84.8
35.2	59.3	64.5	71.4	75.3	78.4	81.2	84.0	84.8	85.1	85.1	85.2	85.4	85.7	85.9	86.2
35.3	59.7	65.0	71.9	75.9	79.1	81.9	84.7	85.5	85.7	85.7	85.9	86.1	86.4	86.5	86.9
35.7	60.4	65.7	72.7	76.7	80.0	82.8	85.7	86.5	86.8	86.9	86.9	87.1	87.5	87.6	87.9
35.8	61.0	66.2	73.7	77.7	81.0	83.8	86.9	87.7	87.9	87.9	88.0	88.3	88.6	88.7	89.1
36.0	62.0	67.5	75.0	79.4	82.8	85.6	88.7	89.5	89.7	89.7	89.9	90.1	90.4	90.5	90.9
36.1	62.5	68.4	76.1	80.4	83.8	86.7	89.7	90.5	90.8	90.8	90.9	91.1	91.4	91.6	91.9
36.3	62.7	68.6	76.6	81.4	84.8	87.7	90.9	91.7	92.0	92.0	92.1	92.4	92.7	92.9	93.2
36.3	63.3	69.4	77.9	83.0	86.7	89.9	93.3	94.1	94.5	94.5	94.6	94.9	95.2	95.3	95.7
36.3	63.3	69.4	78.4	83.7	87.5	90.6	94.2	95.0	95.6	95.6	95.7	95.9	96.2	96.4	96.7
36.3	63.4	69.6	78.9	84.7	88.6	91.9	95.8	96.7	97.4	97.5	97.6	97.8	98.5	98.6	99.1
36.3	63.4	69.6	78.9	84.8	88.7	92.0	96.0	96.9	97.6	97.7	97.8	98.3	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 677

DATA FROM 0000-0200Z ON 01 AUG 1986 AT BOSCOMBE DOWN UK



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

07460 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

14.3	23.7	26.4	31.6	33.8	36.9	37.8	40.1	40.9	41.6	41.9	42.0	42.7	43.9	44.1	45.3
16.6	26.4	29.3	35.1	37.5	41.1	42.2	44.6	45.6	46.6	47.0	47.1	48.1	49.4	49.7	51.1
16.6	26.4	29.3	35.1	37.5	41.1	42.2	44.7	45.7	46.7	47.1	47.2	48.2	49.5	49.8	51.2
16.7	26.5	29.5	35.2	37.7	41.2	42.3	45.0	46.0	47.1	47.4	47.5	48.5	49.8	50.2	51.5
16.8	27.0	30.0	35.8	38.2	41.7	42.9	45.5	46.5	47.7	48.1	48.2	49.2	50.5	50.8	52.2
17.2	28.2	31.6	37.7	40.2	43.7	44.9	47.5	48.5	49.7	50.1	50.2	51.2	52.5	52.8	54.2
18.1	29.5	32.8	38.9	41.4	45.1	46.2	48.9	50.1	51.4	51.7	51.8	52.8	54.2	54.5	55.8
18.5	30.1	33.4	39.5	42.2	46.0	47.2	49.9	51.1	52.4	52.7	52.8	53.8	55.1	55.5	56.8
18.6	30.2	33.6	39.6	42.5	46.4	47.7	50.6	51.7	53.0	53.4	53.5	54.5	55.8	56.1	57.5
19.2	31.6	35.3	41.4	44.3	48.3	49.6	52.5	53.6	54.9	55.3	55.4	56.4	57.7	58.0	59.4
20.5	33.2	37.4	44.0	46.8	51.2	52.5	55.5	56.6	57.9	58.3	58.4	59.5	60.9	61.2	62.6
21.7	34.2	38.4	45.1	48.0	52.3	53.6	56.6	57.7	59.0	59.4	59.5	60.6	62.0	62.3	63.7
21.6	35.0	39.3	46.0	48.8	53.2	54.5	57.6	58.7	60.0	60.4	60.5	61.6	63.0	63.3	64.7
22.6	36.7	41.1	47.8	50.7	55.0	56.4	59.5	60.6	61.9	62.2	62.3	63.5	64.9	65.2	66.6
24.5	39.0	43.3	50.3	53.2	57.5	58.9	62.2	63.3	64.7	65.0	65.1	66.2	67.7	68.0	69.3
26.0	41.2	45.5	52.5	55.5	59.8	61.2	64.6	65.8	67.1	67.4	67.6	68.7	70.1	70.4	71.8
26.4	42.1	46.4	53.5	56.6	61.2	62.7	66.0	67.3	68.7	69.0	69.2	70.3	71.8	72.1	73.4
26.7	43.0	47.4	54.6	57.7	62.5	64.0	67.4	68.8	70.2	70.5	70.8	71.9	73.3	73.6	75.0
27.0	43.5	48.0	55.1	58.4	63.1	64.9	68.4	69.8	71.2	71.5	71.8	72.9	74.3	74.6	76.0
27.4	44.5	49.1	56.4	59.6	64.5	66.2	69.8	71.1	72.6	73.0	73.2	74.3	75.7	76.1	77.4
27.4	44.7	49.4	56.7	59.9	64.8	66.6	70.3	71.8	73.4	73.8	74.0	75.1	76.5	76.9	78.2
27.4	45.0	49.7	57.0	60.2	65.1	66.9	70.7	72.1	73.8	74.1	74.3	75.4	76.9	77.2	78.5
27.7	45.6	50.7	58.1	61.4	66.3	68.1	71.9	73.3	75.1	75.4	75.6	76.7	78.2	78.5	79.8
28.0	46.1	51.3	59.0	62.5	67.6	69.3	73.3	74.8	76.5	76.9	77.1	78.2	79.6	80.0	81.3
28.2	47.0	52.4	60.4	63.8	68.9	70.7	75.0	76.5	78.3	78.6	79.0	80.1	81.5	81.8	83.2
28.2	47.0	52.6	60.7	64.1	69.4	71.4	75.7	77.4	79.2	79.5	79.8	81.0	82.5	82.8	84.2
28.3	47.5	53.7	62.1	66.0	71.3	73.5	78.3	80.1	81.8	82.2	82.5	83.6	85.2	85.5	86.8
28.3	48.0	54.6	63.8	68.3	73.9	76.2	81.3	83.2	85.0	85.4	85.7	86.8	88.4	88.7	90.0
28.3	48.2	55.1	64.7	69.4	75.4	77.7	82.9	84.8	86.8	87.2	87.6	88.8	90.7	91.0	92.4
28.3	48.2	55.3	65.2	70.7	77.1	79.4	85.0	87.0	89.3	89.6	90.0	91.3	93.6	94.0	96.3
28.3	48.2	55.3	65.2	70.7	77.1	79.4	85.2	87.5	89.7	90.1	90.7	92.4	95.5	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 903

USAF ETAC 10-11-82 10-11-82 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12/4/60 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-3800

13.9	21.3	22.7	25.9	28.6	33.6	31.7	32.6	33.0	33.3	33.6	33.6	34.2	35.1	35.1	35.6
17.2	25.6	27.7	31.2	34.7	37.1	38.7	40.3	40.9	41.5	41.8	41.8	42.5	43.5	43.8	44.6
17.5	26.0	28.0	31.5	35.1	37.5	39.1	40.7	41.2	41.8	42.1	42.1	42.8	43.8	44.2	45.0
17.5	26.0	28.0	31.5	35.1	37.5	39.1	40.7	41.2	41.8	42.1	42.1	42.8	43.8	44.2	45.0
18.1	26.9	28.9	32.5	36.0	38.4	40.0	41.6	42.1	42.7	43.1	43.1	43.7	44.8	45.1	45.9
18.5	27.6	29.7	33.7	37.4	39.7	41.5	43.2	44.0	44.6	45.0	45.0	45.8	46.8	47.2	47.9
20.0	29.5	31.7	35.9	39.5	41.9	43.6	45.3	46.1	46.8	47.3	47.3	48.1	49.2	49.5	50.3
20.6	30.4	32.6	37.0	41.1	43.5	45.3	47.0	47.8	48.5	49.0	49.0	49.8	50.9	51.3	52.1
20.7	30.6	32.9	37.6	41.8	44.2	46.0	47.7	48.5	49.2	49.7	49.7	50.5	51.6	51.9	52.7
20.8	31.0	33.3	38.0	42.3	44.6	46.5	48.2	49.0	49.7	50.1	50.1	50.9	52.1	52.4	53.2
21.2	32.1	34.6	39.5	43.7	46.1	47.9	49.8	50.6	51.3	51.7	51.7	52.5	53.6	54.0	54.8
22.0	34.1	36.8	41.8	46.2	48.6	50.6	52.5	53.3	54.1	54.7	54.7	55.6	56.8	57.2	58.0
22.8	35.4	38.4	43.5	47.9	50.3	52.4	54.6	55.4	56.2	56.7	56.7	57.6	58.9	59.2	60.0
23.3	36.2	39.2	44.3	48.7	51.3	53.3	55.5	56.3	57.1	57.6	57.6	58.5	59.8	60.1	60.9
23.6	36.7	39.6	44.8	49.3	51.8	53.9	56.0	56.8	57.6	58.2	58.2	59.1	60.4	60.7	61.5
25.9	39.4	42.4	47.6	52.3	54.8	56.9	59.2	60.0	60.8	61.4	61.4	62.3	63.6	63.9	64.7
26.7	41.1	44.1	49.4	54.1	56.6	58.9	61.3	62.2	63.0	63.6	63.6	64.5	65.7	66.1	66.9
28.0	43.1	46.0	51.6	57.2	59.8	62.2	64.9	65.8	66.7	67.3	67.3	68.2	69.5	69.8	70.6
28.4	43.5	46.5	52.3	57.9	60.6	63.0	65.7	66.6	67.5	68.1	68.1	69.0	70.3	70.6	71.4
28.9	44.4	47.5	53.5	59.2	62.1	64.6	67.3	68.2	69.1	69.7	69.7	70.6	71.9	72.2	73.0
30.4	46.5	49.9	56.0	61.7	64.6	67.1	70.0	71.0	71.9	72.4	72.4	73.3	74.7	75.1	75.9
30.8	47.0	50.6	56.9	62.8	65.7	68.2	71.2	72.1	73.0	73.6	73.6	74.5	75.9	76.2	77.0
31.1	47.5	51.3	57.7	63.6	66.5	69.0	72.0	72.9	73.8	74.4	74.4	75.3	76.7	77.0	77.8
31.7	48.2	52.2	58.7	64.5	67.4	70.0	73.0	74.0	74.9	75.5	75.5	76.4	77.8	78.1	78.9
31.9	48.9	53.2	59.9	65.8	68.8	71.5	74.7	75.7	76.7	77.2	77.3	78.2	79.6	80.0	80.8
32.7	50.2	54.7	61.6	67.8	70.8	73.6	76.9	77.9	78.9	79.5	79.6	80.5	81.9	82.2	83.0
32.7	50.5	54.9	61.8	68.1	71.5	74.4	77.8	79.0	80.1	80.6	80.8	81.7	83.0	83.4	84.2
32.8	50.9	55.8	63.0	70.0	73.6	76.7	80.2	81.5	82.6	83.1	83.3	84.2	85.5	85.9	86.7
32.9	51.7	56.6	63.9	71.3	75.1	78.4	82.1	83.6	84.6	85.2	85.3	86.2	87.6	87.9	88.7
32.9	51.8	56.8	64.6	72.6	76.5	79.8	83.9	85.6	86.9	87.6	87.7	88.6	90.2	90.5	91.3
32.9	51.8	56.8	64.9	73.5	77.8	81.2	86.2	88.4	90.0	90.8	91.0	92.1	94.4	94.8	96.4
32.9	51.8	56.8	64.9	73.5	77.8	81.2	86.2	88.5	90.2	91.2	91.7	92.9	95.7	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 878

SAFETY: DO NOT OPERATE IN THE AREA OF THE OBSERVATION



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

03460 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

19.3	26.4	27.8	30.7	31.0	31.9	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.3
27.7	36.2	37.7	41.0	42.4	42.6	42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.0
27.8	36.3	37.8	41.2	42.5	42.7	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.2
27.8	36.4	37.9	41.3	42.6	42.8	42.9	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.3
28.4	37.2	38.7	42.0	43.4	43.6	43.7	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.0
28.9	38.2	39.7	43.0	45.1	45.3	45.5	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.9
31.1	41.0	42.8	46.4	48.4	48.6	48.8	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.4
31.9	42.0	43.9	47.6	49.7	49.9	50.3	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.1
32.0	42.2	44.2	47.8	49.9	50.2	50.5	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.3
32.5	42.6	44.6	48.3	50.4	50.6	50.9	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.7
33.8	44.5	46.5	50.3	52.4	52.6	53.1	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
35.6	46.9	49.1	52.8	54.9	55.2	55.7	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
37.8	49.7	51.8	55.6	57.8	58.1	58.6	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6
40.3	52.5	54.6	58.4	60.6	60.8	61.4	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.4
42.8	55.3	57.4	61.2	63.4	63.6	64.3	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3
45.3	58.2	60.3	64.1	66.3	66.5	67.2	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.2
48.6	61.7	64.1	67.9	70.1	70.5	71.3	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3
52.9	66.9	69.2	73.1	75.4	75.9	76.6	77.3	77.5	77.8	77.9	77.9	77.9	77.9	77.9	78.0
54.1	68.1	70.4	74.4	76.9	77.3	78.1	78.8	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.4
55.7	71.1	73.6	77.6	80.2	80.8	81.5	82.2	82.4	82.6	82.8	82.8	82.8	82.8	82.8	82.9
57.5	73.6	76.3	80.3	83.0	83.5	84.3	85.0	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.7
58.2	74.6	77.4	81.9	84.6	85.3	86.2	87.0	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.7
58.4	75.0	77.8	82.3	85.2	86.0	86.9	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.4
58.7	75.8	78.6	83.3	86.3	87.1	88.0	89.1	89.3	89.5	89.7	89.7	89.7	89.7	89.7	89.8
59.1	77.0	80.1	84.8	87.9	88.8	89.8	91.0	91.2	91.5	91.7	91.7	91.7	91.7	91.7	91.8
59.4	77.6	80.8	85.7	89.4	90.5	91.7	92.9	93.2	93.5	93.7	93.7	93.7	93.7	93.7	93.8
59.6	78.3	81.5	86.5	90.3	91.5	92.9	94.1	94.4	94.8	94.9	94.9	94.9	94.9	94.9	95.0
59.6	78.4	82.0	87.4	91.3	92.5	94.2	95.4	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.3
59.6	78.5	82.1	87.9	91.9	93.2	95.1	96.8	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.8
59.6	78.6	82.3	88.4	92.7	94.2	96.2	98.0	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.4
59.6	78.6	82.3	88.4	92.8	94.4	96.6	98.4	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.9
59.6	78.6	82.3	88.4	92.8	94.4	96.6	98.4	99.1	99.7	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

899



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

VISIBILITY IN STATUTE MILES																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
22.8	27.6	29.1	29.5	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
31.1	37.1	39.7	39.9	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
31.3	37.3	39.2	40.1	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
31.4	37.4	39.3	40.2	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
32.7	39.0	40.9	41.9	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
34.4	41.1	43.2	44.2	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
35.9	42.9	45.3	46.1	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
36.2	43.8	46.0	47.2	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
36.7	44.3	46.4	47.6	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
37.2	45.1	47.2	48.4	49.6	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
39.3	47.6	49.8	51.0	52.1	52.4	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
45.2	54.1	56.5	58.1	59.2	59.4	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
49.3	58.6	61.0	62.6	63.7	63.9	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
54.4	63.9	66.3	67.9	69.1	69.4	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
56.6	66.4	68.7	70.4	71.5	71.9	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
60.0	69.8	72.2	73.9	75.0	75.3	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
64.1	75.1	77.6	79.4	80.7	81.1	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
68.4	80.0	82.5	84.4	85.8	86.1	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
70.0	82.2	84.6	86.5	87.9	88.2	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
71.5	84.0	86.4	88.5	89.9	90.2	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
72.8	85.9	88.7	90.8	92.3	92.6	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
73.3	86.5	89.3	91.7	93.2	93.5	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
73.5	86.9	89.7	92.0	93.5	93.8	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
73.5	87.1	89.9	92.4	93.8	94.2	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
73.7	87.4	90.4	92.8	94.3	94.8	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
73.7	87.8	90.8	93.3	94.8	95.4	96.6	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
73.8	88.3	91.4	93.9	95.7	96.3	97.5	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
73.8	88.5	91.5	94.2	96.1	96.6	98.1	98.4	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7
73.8	88.5	91.5	94.2	96.1	96.7	98.2	98.5	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
73.8	88.5	91.5	94.3	96.3	97.0	98.5	98.9	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
73.8	88.5	91.5	94.3	96.3	97.0	98.7	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
73.8	88.5	91.5	94.3	96.3	97.0	98.7	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 892

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFC WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

26.3	30.5	30.8	31.4	31.6	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
34.3	41.2	42.0	43.0	43.3	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
34.5	41.4	42.2	43.2	43.6	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
34.5	41.4	42.2	43.2	43.6	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
35.0	42.3	43.1	44.1	44.5	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
36.9	44.7	45.5	46.6	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
39.4	48.8	49.5	50.7	51.0	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
40.5	50.8	51.6	52.8	53.3	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
41.1	51.4	52.1	53.5	54.0	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
41.9	52.4	53.2	54.6	55.1	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
43.2	54.0	54.7	56.2	56.7	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
50.5	62.3	63.1	64.6	65.2	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.3
54.0	66.5	67.6	69.2	70.0	70.4	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2
57.7	70.4	71.7	73.5	74.3	74.7	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5
59.3	72.2	73.5	75.3	76.1	76.7	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5
62.8	76.1	77.4	79.2	80.1	80.8	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6
65.2	79.3	80.7	82.5	83.4	84.1	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
67.4	82.1	83.7	86.0	87.0	87.8	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
68.4	83.4	85.2	87.5	88.6	89.4	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
70.1	85.4	87.4	89.6	90.7	91.5	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4
71.6	87.4	89.4	91.8	93.0	93.8	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7
72.0	87.9	90.2	92.6	93.8	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6
72.2	88.3	90.5	92.9	94.1	94.9	95.6	95.7	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0
72.2	88.5	90.7	93.1	94.4	95.1	95.8	95.9	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3
72.2	88.7	91.0	93.3	94.6	95.5	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6
72.3	89.5	91.8	94.1	95.4	96.3	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5
72.5	89.8	92.1	94.6	95.8	96.7	97.5	97.6	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
72.6	90.1	92.4	95.0	96.4	97.4	98.4	98.5	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0
72.6	90.2	92.8	95.4	96.7	97.9	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5
72.6	90.2	92.9	95.5	96.8	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.8	99.9	99.9
72.6	90.2	92.9	95.5	96.8	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.8	99.9	99.9
72.6	90.2	92.9	95.5	96.8	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 886

USAF ETAC 0-1445 01 A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

037450 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

	27.9	35.1	36.2	37.1	38.0	38.1	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
35.9	45.1	47.0	48.4	49.8	50.2	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
36.0	45.3	47.2	48.6	50.1	50.4	50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
36.0	45.3	47.2	48.6	50.1	50.4	50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
36.5	46.1	48.1	49.5	51.0	51.3	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
37.8	47.9	50.1	51.4	53.5	53.9	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
41.0	51.8	54.0	55.5	57.7	58.2	58.9	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
41.8	53.0	55.3	56.9	59.1	59.7	60.4	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
42.0	53.2	55.5	57.1	59.5	60.0	60.7	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
42.1	53.9	56.3	57.9	60.3	60.8	61.5	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
43.7	56.3	58.7	60.4	63.1	63.7	64.4	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
48.0	61.0	63.6	65.5	68.2	68.9	69.9	70.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
50.5	64.2	67.0	68.9	71.7	72.5	73.6	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
51.5	65.9	68.7	70.8	73.7	74.6	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
52.9	67.5	70.4	72.6	75.5	76.4	77.5	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
56.0	71.2	74.1	76.4	79.3	80.2	81.4	81.7	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
58.1	74.0	77.0	79.2	82.3	83.2	84.3	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
60.0	76.4	79.5	81.8	84.9	85.8	86.9	87.5	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
61.0	77.4	80.6	83.1	86.2	87.2	88.3	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
62.2	78.9	82.2	84.8	87.9	88.9	90.0	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
63.7	80.9	84.2	87.1	90.4	91.7	92.8	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
64.2	81.5	84.9	87.9	91.3	92.6	93.8	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
64.4	82.1	85.5	88.4	91.8	93.2	94.3	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
64.5	82.2	85.6	88.5	91.9	93.4	94.6	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
64.7	82.6	86.0	89.0	92.5	94.2	95.5	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
64.7	83.0	86.4	89.4	93.0	94.7	96.0	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
64.7	83.2	86.6	90.0	93.6	95.3	96.8	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
64.7	83.5	87.1	90.6	94.4	96.4	98.0	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
64.7	83.7	87.3	90.8	94.8	96.8	98.4	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
64.7	83.7	87.3	90.8	94.8	96.8	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
64.7	83.7	87.3	90.8	94.8	96.8	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

881

USAF ETAC 0-14-5 (L A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

037060 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

24.5	37.2	41.3	44.3	45.7	46.5	47.5	47.7	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0
29.1	43.0	48.2	52.0	53.8	55.2	56.3	56.7	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2
29.1	43.0	48.2	52.0	53.8	55.2	56.3	56.7	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2
29.1	43.0	48.2	52.0	53.8	55.2	56.3	56.7	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2
29.3	43.7	48.5	52.4	54.2	55.8	56.9	57.2	57.6	57.7	57.9	57.9	57.9	57.9	57.9	57.9
29.9	44.3	49.2	53.1	54.9	56.4	57.7	58.2	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9
31.0	46.1	51.1	55.4	57.6	59.4	61.0	61.8	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5
31.5	46.8	51.7	56.1	59.3	60.1	61.9	62.8	63.2	63.3	63.5	63.5	63.5	63.5	63.5	63.5
31.8	47.3	52.2	56.6	59.8	60.6	62.4	63.3	63.6	63.7	63.9	63.9	63.9	63.9	63.9	63.9
31.9	47.5	52.5	56.9	59.1	60.9	62.7	63.6	63.9	64.1	64.3	64.3	64.3	64.3	64.3	64.3
32.6	48.9	54.1	58.6	60.8	62.8	64.7	65.6	66.0	66.1	66.3	66.3	66.4	66.4	66.4	66.4
34.7	52.4	57.6	62.2	64.4	66.5	68.6	69.7	70.0	70.1	70.3	70.3	70.4	70.4	70.4	70.4
36.1	54.6	59.9	64.6	67.1	69.3	71.4	72.5	72.9	73.3	73.2	73.2	73.3	73.3	73.3	73.3
36.6	55.0	61.5	66.4	69.0	71.2	73.3	74.4	74.8	74.9	75.1	75.1	75.3	75.3	75.3	75.3
37.8	57.4	63.2	68.1	70.7	72.9	75.0	76.0	76.5	76.6	76.8	76.8	76.9	76.9	76.9	76.9
40.4	60.9	67.3	72.3	74.9	77.2	79.3	80.3	80.7	80.9	81.1	81.1	81.2	81.2	81.2	81.2
41.4	62.4	68.6	74.4	77.0	79.4	81.5	82.5	83.3	83.1	83.3	83.3	83.4	83.4	83.4	83.4
43.0	64.7	71.2	76.9	79.6	82.0	84.2	85.3	85.8	85.9	86.1	86.1	86.2	86.2	86.2	86.2
43.2	65.3	71.8	77.5	80.2	82.5	84.8	85.9	86.3	86.5	86.7	86.7	86.8	86.8	86.8	86.8
43.9	66.2	72.7	78.4	81.1	83.4	85.9	87.1	87.6	87.7	87.9	87.9	88.0	88.0	88.0	88.0
45.0	67.3	73.8	79.6	82.3	84.8	87.2	88.5	88.9	89.0	89.2	89.2	89.4	89.4	89.4	89.4
45.8	68.3	74.9	80.7	83.4	85.9	88.4	89.6	90.0	90.1	90.4	90.4	90.5	90.5	90.5	90.5
46.4	68.9	75.5	81.3	84.0	86.7	89.1	90.4	90.8	90.9	91.2	91.2	91.3	91.3	91.3	91.3
46.6	69.4	76.3	82.2	84.9	87.6	90.1	91.4	91.8	91.9	92.2	92.2	92.3	92.3	92.3	92.3
46.7	70.1	76.9	83.0	85.7	88.4	90.9	92.2	92.6	92.7	92.9	92.9	93.1	93.1	93.1	93.1
46.7	70.4	77.7	83.8	86.7	89.6	92.2	93.4	93.8	94.0	94.2	94.2	94.3	94.3	94.3	94.3
46.7	70.5	78.1	84.2	87.3	90.3	92.8	94.1	94.5	94.7	95.0	95.0	95.1	95.1	95.1	95.1
46.8	70.8	78.5	85.1	88.3	91.4	94.0	95.2	95.6	95.9	96.1	96.1	96.2	96.2	96.2	96.2
46.9	71.0	78.7	85.8	89.2	92.5	95.2	96.6	97.1	97.3	97.5	97.5	97.6	97.6	97.6	97.6
46.9	71.1	78.9	86.0	89.5	92.9	95.9	97.4	98.1	98.3	98.5	98.5	98.7	98.7	98.7	98.7
46.9	71.1	78.9	86.0	89.7	93.5	96.4	98.3	98.9	99.1	99.5	99.5	99.9	99.9	99.9	99.9
46.9	71.1	78.9	86.0	89.7	93.5	96.5	98.4	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 893



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

21.3	29.6	31.7	34.3	35.8	36.8	37.4	38.0	38.2	38.4	38.5	38.5	38.7	39.1	39.1	39.3
27.0	36.7	39.2	42.4	44.2	45.5	46.3	47.1	47.4	47.6	47.7	47.7	48.0	48.3	48.4	48.7
27.1	36.9	39.4	42.5	44.3	45.7	46.4	47.2	47.5	47.7	47.9	47.9	48.1	48.4	48.5	48.8
27.1	36.9	39.4	42.6	44.4	45.7	46.5	47.3	47.6	47.8	47.9	47.9	48.1	48.5	48.6	48.9
27.7	37.6	40.1	43.3	45.1	46.5	47.3	48.1	48.4	48.6	48.7	48.8	49.0	49.3	49.4	49.7
28.5	38.8	41.4	44.7	46.7	48.1	48.9	49.8	50.1	50.4	50.5	50.6	50.8	51.1	51.2	51.5
30.1	41.2	43.9	47.4	49.5	50.9	51.8	52.8	53.1	53.4	53.5	53.6	53.8	54.1	54.2	54.6
30.8	42.2	45.0	48.5	50.8	52.2	53.3	54.3	54.7	55.0	55.1	55.1	55.4	55.7	55.8	56.1
31.1	42.7	45.4	49.1	51.4	52.8	53.9	54.9	55.3	55.6	55.7	55.7	56.0	56.3	56.4	56.7
31.4	43.2	45.9	49.6	51.9	53.4	54.5	55.5	55.9	56.2	56.3	56.4	56.6	56.9	57.0	57.4
32.5	44.9	47.8	51.5	53.9	55.5	56.6	57.6	58.0	58.3	58.4	58.5	58.7	59.1	59.2	59.5
35.6	48.8	51.8	55.7	58.2	59.8	61.1	62.3	62.7	63.0	63.1	63.1	63.4	63.8	63.9	64.2
37.6	51.4	54.5	58.5	61.0	62.7	64.0	65.2	65.6	66.0	66.1	66.1	66.4	66.8	66.9	67.2
39.4	53.6	56.9	61.0	63.5	65.2	66.6	67.8	68.2	68.6	68.7	68.7	69.0	69.4	69.5	69.8
40.7	55.3	58.6	62.7	65.2	67.0	68.3	69.6	70.0	70.3	70.5	70.5	70.8	71.1	71.2	71.6
43.3	58.4	61.8	66.0	68.6	70.3	71.7	73.0	73.5	73.8	73.9	74.0	74.3	74.6	74.7	75.0
45.4	61.1	64.6	68.8	71.5	73.3	74.8	76.1	76.5	76.9	77.0	77.0	77.3	77.7	77.8	78.1
47.4	63.8	67.4	71.8	74.7	76.5	78.0	79.4	79.9	80.3	80.5	80.5	80.8	81.2	81.3	81.6
48.2	64.8	68.4	72.9	75.8	77.7	79.2	80.7	81.2	81.6	81.7	81.7	82.1	82.4	82.5	82.9
49.2	66.3	70.0	74.5	77.5	79.4	81.0	82.5	83.0	83.4	83.5	83.6	83.9	84.2	84.3	84.7
50.4	68.1	71.9	76.5	79.5	81.6	83.2	84.7	85.2	85.6	85.8	85.8	86.1	86.5	86.6	86.9
50.9	68.7	72.7	77.5	80.5	82.6	84.3	85.8	86.4	86.8	86.9	87.0	87.3	87.7	87.8	88.0
51.1	69.2	73.1	78.0	81.0	83.2	84.8	86.4	86.9	87.4	87.5	87.6	87.9	88.3	88.4	88.7
51.4	69.6	73.7	78.6	81.7	83.9	85.6	87.2	87.8	88.2	88.3	88.4	88.7	89.1	89.2	89.5
51.5	70.2	74.4	79.4	82.6	84.9	86.6	88.3	88.9	89.3	89.5	89.5	89.8	90.2	90.3	90.7
51.7	70.9	75.2	80.4	83.8	86.1	87.9	89.7	90.3	90.7	90.9	91.0	91.3	91.7	91.8	92.1
51.8	71.3	75.7	81.0	84.4	86.9	88.7	90.5	91.2	91.6	91.8	91.9	92.2	92.6	92.7	93.0
51.9	71.5	76.2	81.7	85.3	87.9	90.0	91.9	92.6	93.1	93.2	93.3	93.6	94.0	94.1	94.4
51.9	71.8	76.6	82.4	86.4	89.0	91.2	93.3	94.0	94.6	94.8	94.9	95.2	95.6	95.7	96.0
51.9	71.9	76.8	82.8	87.0	89.8	92.0	94.2	95.1	95.7	95.9	96.0	96.3	96.6	96.9	97.2
51.9	71.9	76.8	83.0	87.4	90.4	92.7	95.2	96.1	96.9	97.1	97.2	97.6	98.3	98.4	99.0
51.9	71.9	76.8	83.0	87.4	90.4	92.7	95.2	96.2	97.0	97.3	97.5	97.9	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7139

544 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964



73-82

237460 BOSCOMBE DOWN UK

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

[illegible]TOTAL NUMBER OF OBSERVATIONS 881



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

77460 BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

17.5	24.8	27.6	29.9	30.7	32.6	33.9	34.8	35.9	36.4	36.5	36.6	37.2	39.1	40.0	41.8
20.0	28.0	30.8	33.4	34.3	36.5	37.7	39.0	40.2	40.7	40.8	40.9	41.5	43.8	44.7	46.9
20.0	28.0	30.8	33.4	34.3	36.5	37.7	39.0	40.2	40.7	40.8	40.9	41.5	43.8	44.7	46.9
20.0	28.0	30.8	33.4	34.3	36.5	37.7	39.0	40.2	40.7	40.8	40.9	41.5	43.8	44.7	46.9
20.3	28.3	31.1	33.8	34.7	36.8	38.1	39.3	40.6	41.0	41.1	41.3	41.8	44.1	45.0	47.3
20.9	29.1	32.0	34.7	35.6	37.7	39.0	40.2	41.5	41.9	42.0	42.2	42.7	45.1	46.0	48.3
21.8	30.9	34.5	36.7	37.6	40.0	41.3	42.5	43.8	44.3	44.5	44.7	45.2	47.6	48.5	50.8
22.0	31.3	34.3	37.2	38.1	40.5	41.8	43.2	44.4	45.0	45.3	45.5	46.0	48.4	49.3	51.6
22.0	31.3	34.3	37.2	38.1	40.6	41.9	43.3	44.5	45.1	45.5	45.6	46.1	48.5	49.4	51.7
22.4	31.7	34.8	37.6	38.5	41.0	42.4	43.8	45.0	45.6	45.9	46.0	46.6	49.0	49.9	52.2
22.5	32.2	35.3	38.2	39.1	41.6	43.0	44.3	45.6	46.1	46.5	46.6	47.2	49.5	50.5	52.7
24.2	34.2	37.7	41.3	42.4	44.9	46.3	47.7	49.2	49.8	50.1	50.2	50.8	53.3	54.2	56.5
25.1	35.6	39.1	42.7	43.9	46.6	48.0	49.4	50.9	51.5	51.8	51.9	52.5	55.0	55.9	58.2
25.8	37.0	40.6	44.2	45.5	48.2	49.5	51.0	52.5	53.1	53.4	53.5	54.1	56.6	57.5	59.8
27.0	38.6	42.2	45.9	47.3	50.0	51.4	52.8	54.3	54.9	55.2	55.3	55.9	58.4	59.3	61.6
28.9	41.1	44.7	48.4	49.9	52.6	54.0	55.6	57.0	57.6	58.0	58.1	58.6	61.1	62.0	64.3
29.8	42.5	46.3	49.9	51.5	54.3	55.7	57.3	58.8	59.3	59.7	59.8	60.5	63.0	63.9	66.1
30.9	44.7	48.3	52.4	54.1	56.9	58.3	59.9	61.4	61.9	62.3	62.4	63.1	65.6	66.5	68.8
31.4	45.3	49.0	53.5	55.5	58.3	59.7	61.3	62.7	63.3	63.6	63.8	64.4	66.9	67.8	70.1
32.3	47.0	50.9	55.8	57.8	60.7	62.2	63.9	65.3	65.9	66.3	66.4	67.0	69.5	70.5	72.7
33.3	49.9	53.9	59.0	61.1	64.0	65.5	67.2	68.6	69.2	69.5	69.7	70.3	72.8	73.8	76.1
34.0	51.0	55.2	60.6	62.8	65.8	67.3	69.2	70.7	71.4	71.7	71.8	72.5	75.0	75.9	78.3
34.5	52.4	56.8	62.2	64.4	67.4	68.9	70.8	72.3	73.0	73.3	73.4	74.1	76.6	77.5	79.9
34.9	53.2	57.7	63.4	65.7	68.8	70.3	72.3	73.8	74.4	74.8	74.9	75.6	78.1	79.0	81.4
35.1	54.3	59.0	64.7	66.9	70.1	71.7	73.9	75.3	76.1	76.5	76.6	77.3	79.8	80.7	83.1
35.1	55.0	59.8	65.8	68.2	71.6	73.2	75.5	76.9	77.7	78.1	78.2	79.0	81.5	82.4	84.8
35.1	55.2	60.5	66.9	69.5	73.0	74.5	77.2	78.8	79.5	79.9	80.0	80.8	83.3	84.2	86.6
35.3	56.4	61.9	68.5	71.3	75.0	76.6	79.3	80.9	81.8	82.2	82.3	83.1	85.6	86.5	88.9
35.3	56.7	62.7	69.7	72.4	76.5	78.2	81.4	83.0	83.9	84.2	84.3	85.1	87.6	88.5	90.9
35.3	56.7	63.0	70.1	73.0	77.3	79.5	82.8	84.8	85.8	86.1	86.3	87.0	89.5	90.5	92.8
35.3	56.7	63.0	70.2	73.3	77.7	80.3	83.9	86.0	87.3	87.6	87.7	88.5	91.4	92.4	95.5
35.3	56.7	63.0	70.2	73.3	77.8	80.5	84.1	86.6	88.2	88.6	88.9	89.9	93.6	95.0	98.0

TOTAL NUMBER OF OBSERVATIONS 880

NAFETAC 445 00 A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

77460 BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

3600-0800

14.4	19.0	23.4	22.1	22.9	23.6	24.5	26.6	27.2	27.9	27.9	28.0	28.5	29.6	30.0	32.1
20.4	26.0	27.9	30.3	31.7	32.9	34.0	36.3	36.9	37.8	37.9	38.1	38.9	40.6	40.9	43.4
20.6	26.3	28.1	30.5	31.9	33.2	34.2	36.5	37.1	38.0	38.1	38.4	39.2	40.8	41.1	43.7
20.6	26.3	28.1	30.6	32.0	33.3	34.3	36.6	37.2	38.1	38.2	38.5	39.3	40.9	41.2	43.8
21.0	26.6	28.5	31.0	32.4	33.6	34.7	37.0	37.6	38.5	38.7	38.9	39.7	41.4	41.7	44.2
21.8	27.5	29.5	32.3	33.9	35.1	36.3	38.6	39.2	40.1	40.3	40.6	41.4	43.1	43.4	46.0
23.0	29.5	31.5	34.4	36.1	37.0	38.6	40.9	41.5	42.5	42.9	43.1	43.9	45.6	46.0	48.5
24.1	31.0	32.9	36.2	37.9	39.2	40.4	42.7	43.3	44.4	44.7	44.9	45.7	47.5	47.8	50.3
24.1	31.0	32.9	36.3	38.0	39.3	40.6	43.0	43.7	44.7	45.0	45.3	46.1	47.8	48.2	50.7
24.1	31.2	33.2	36.5	38.2	39.5	40.8	43.2	43.9	44.9	45.4	45.6	46.4	48.2	48.5	51.0
24.4	31.9	34.1	37.3	39.1	40.3	41.6	44.0	44.7	45.9	46.3	46.5	47.4	49.1	49.4	52.0
26.2	34.6	37.2	40.7	42.4	43.7	45.0	47.7	48.5	49.7	50.2	50.5	51.3	53.0	53.3	55.9
27.0	35.6	38.4	41.9	43.9	45.3	46.8	49.4	50.2	51.4	52.0	52.3	53.1	54.8	55.2	57.8
27.9	36.8	39.5	43.2	45.2	46.5	48.0	50.7	51.6	52.8	53.3	53.7	54.5	56.2	56.6	59.2
28.7	38.0	40.8	44.5	46.5	47.9	49.4	52.1	53.0	54.1	54.7	55.1	55.9	57.6	57.9	60.6
30.1	39.9	42.6	46.4	48.6	50.0	51.5	54.1	55.1	56.2	56.8	57.1	58.1	59.8	60.3	62.9
32.3	42.7	45.5	49.4	51.6	53.0	54.6	57.3	58.2	59.3	59.9	60.3	61.2	62.9	63.4	66.0
33.5	44.4	47.4	51.5	53.7	55.1	56.7	59.3	60.5	61.6	62.2	62.6	63.6	65.3	65.8	68.4
34.2	45.4	48.5	52.8	55.0	56.3	58.1	60.7	61.9	63.0	63.6	63.9	65.0	66.7	67.2	69.8
35.4	46.9	50.0	54.3	56.5	57.8	59.8	62.4	63.6	64.9	65.4	65.8	66.8	68.5	69.0	71.7
36.6	49.2	52.8	57.5	59.8	61.3	63.4	66.0	67.2	68.4	69.0	69.4	70.4	72.1	72.6	75.2
37.6	50.5	54.3	59.0	61.5	63.4	65.7	68.3	69.5	70.7	71.3	71.7	72.7	74.4	74.9	77.5
37.9	51.4	55.2	59.9	62.4	64.3	66.6	69.2	70.4	71.7	72.2	72.6	73.6	75.3	75.8	78.5
38.4	52.1	55.9	60.6	63.4	65.3	67.6	70.5	71.7	72.9	73.5	73.8	74.9	76.6	77.1	79.7
38.8	52.9	56.8	61.9	64.9	67.3	69.7	72.6	73.7	75.0	75.6	75.9	77.0	78.7	79.1	81.8
39.5	54.1	58.1	63.5	66.7	69.2	71.8	74.7	75.8	77.1	77.8	78.2	79.3	81.0	81.5	84.1
39.6	54.6	58.6	64.6	68.1	70.9	73.5	76.4	77.5	78.8	79.5	80.0	81.0	82.7	83.2	85.8
39.6	55.1	59.3	65.7	69.2	72.2	75.0	78.1	79.3	80.5	81.2	81.7	82.7	84.4	84.9	87.6
39.9	55.6	59.9	66.6	70.4	73.5	76.3	79.8	81.2	82.5	83.2	83.6	84.7	86.4	86.9	89.5
39.9	56.0	60.3	67.4	71.7	74.9	78.1	82.1	83.8	85.6	86.3	86.8	87.8	89.5	90.0	92.6
39.9	56.3	60.3	67.6	72.0	75.2	78.8	82.9	84.7	87.0	88.1	88.7	90.1	92.5	93.2	96.2
39.9	56.0	60.3	67.6	72.0	75.2	78.8	83.1	84.8	87.2	88.4	88.9	90.6	94.2	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS 568

USAF ETAC 04145 DLA PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

137450  
111111

BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

18.7	22.6	24.3	25.9	26.6	26.8	27.5	27.4	27.6	27.8	27.8	27.8	27.9	27.9	27.9	27.9
28.9	34.9	37.4	39.1	40.0	40.3	40.4	40.8	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.3
28.9	34.9	37.4	39.1	40.0	40.3	40.4	40.8	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.3
29.5	35.6	38.1	39.9	40.8	41.2	41.3	41.8	42.0	42.1	42.1	42.1	42.2	42.2	42.2	42.2
30.8	37.2	39.8	42.0	42.9	43.3	43.6	44.0	44.3	44.4	44.4	44.4	44.5	44.5	44.5	44.5
33.1	39.9	42.5	44.9	45.8	46.3	46.6	47.1	47.3	47.4	47.4	47.4	47.6	47.6	47.6	47.6
34.1	41.3	43.9	46.3	47.2	47.9	48.4	48.8	49.0	49.1	49.1	49.1	49.3	49.3	49.3	49.3
34.2	41.4	44.0	46.5	47.4	48.1	48.6	49.1	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.6
34.4	41.5	44.1	46.6	47.7	48.4	48.8	49.4	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.8
35.6	42.9	45.5	48.4	49.4	50.1	50.5	51.2	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6
37.0	44.6	47.3	50.2	51.3	52.0	52.6	53.5	53.7	53.8	53.8	53.8	53.9	53.9	53.9	53.9
39.5	47.9	51.1	54.2	55.4	56.1	56.8	57.7	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1
42.0	50.9	54.2	57.3	58.6	59.3	60.0	60.9	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3
42.5	51.6	54.9	58.1	59.4	60.1	60.8	61.7	61.9	62.1	62.1	62.1	62.2	62.2	62.2	62.2
43.2	52.6	55.9	59.2	60.4	61.1	61.8	62.8	63.0	63.4	63.4	63.4	63.5	63.5	63.5	63.5
46.4	56.1	59.4	62.8	64.2	64.8	65.5	66.6	66.8	67.1	67.1	67.1	67.2	67.2	67.2	67.2
47.7	60.2	63.6	67.1	68.7	69.5	70.2	71.2	71.4	71.8	71.8	71.8	71.9	71.9	71.9	71.9
51.6	62.3	65.9	69.4	71.1	71.9	72.6	73.6	73.8	74.2	74.2	74.2	74.3	74.3	74.3	74.3
53.9	65.1	68.7	72.5	74.2	75.1	75.8	76.8	77.0	77.4	77.4	77.4	77.5	77.5	77.5	77.5
57.5	69.3	73.3	77.6	79.4	80.3	81.0	82.0	82.3	82.6	82.6	82.6	82.7	82.7	82.7	82.7
58.7	71.3	75.3	80.0	82.1	83.2	83.8	84.9	85.1	85.4	85.4	85.4	85.6	85.6	85.6	85.6
58.8	71.8	76.2	80.9	83.0	84.1	84.8	85.8	86.0	86.3	86.3	86.3	86.5	86.5	86.5	86.5
59.4	73.2	77.7	82.9	85.2	86.6	87.3	88.3	88.5	88.9	88.9	88.9	89.0	89.0	89.0	89.0
59.7	74.2	79.0	84.4	86.8	88.2	88.9	90.0	90.2	90.6	90.6	90.6	90.7	90.7	90.7	90.7
63.2	75.2	81.2	85.9	88.5	90.0	90.8	92.2	92.4	92.7	92.7	92.7	92.8	92.8	92.8	92.8
60.5	76.1	81.1	86.9	89.8	91.2	92.0	93.5	93.7	94.1	94.1	94.1	94.2	94.2	94.2	94.2
60.5	76.3	81.3	87.3	90.3	91.8	93.2	95.0	95.2	95.6	95.6	95.6	95.7	95.7	95.7	95.7
60.5	76.6	81.7	87.6	91.1	92.8	94.4	96.6	96.8	97.2	97.2	97.2	97.3	97.3	97.3	97.3
60.5	76.7	81.8	88.2	91.7	93.4	95.2	97.7	98.1	98.5	98.6	98.6	98.7	98.7	98.7	98.7
67.5	76.7	81.8	88.2	91.9	93.7	95.6	98.3	98.7	99.2	99.3	99.4	99.5	99.5	99.7	99.7
60.5	76.7	81.8	88.2	91.9	93.7	95.6	98.3	98.7	99.2	99.3	99.4	99.5	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 879

USAF ETAC 137450 0145 0145 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

17467 BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

19.7	24.1	24.4	25.1	25.4	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
33.9	40.3	40.7	41.4	41.7	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
34.0	40.4	40.8	41.5	41.8	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
34.1	40.5	40.9	41.6	41.9	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
35.5	41.9	42.3	43.0	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
37.2	43.8	44.1	44.8	45.1	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
41.2	48.3	48.7	49.5	49.8	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
42.6	49.9	50.3	51.1	51.5	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
42.9	50.2	50.5	51.4	51.9	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
43.2	50.5	50.9	51.8	52.3	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
44.3	51.7	52.0	52.9	53.5	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
49.5	57.6	58.1	59.1	59.8	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
52.3	61.5	62.1	63.2	63.9	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
56.9	66.4	67.0	68.2	68.8	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
58.8	68.5	69.1	70.2	70.9	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
61.5	71.5	72.2	73.4	74.1	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
65.8	76.5	77.2	78.6	79.3	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
69.8	81.9	82.7	84.2	84.9	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
71.4	83.8	84.8	86.3	86.9	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
72.5	85.3	86.5	88.1	88.9	89.3	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
74.3	88.0	89.3	91.2	92.2	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
75.1	88.9	90.3	92.7	93.8	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
75.3	89.2	90.6	93.0	94.4	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
76.1	90.1	91.6	94.0	95.8	96.4	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
76.5	90.8	92.3	94.7	96.6	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
76.7	91.2	92.8	95.2	97.1	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
76.9	91.4	93.0	95.8	97.7	98.5	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
76.9	91.4	93.0	95.8	97.7	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
76.9	91.4	93.0	95.8	97.7	98.6	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
76.9	91.4	93.0	95.8	97.7	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
76.9	91.4	93.0	95.8	97.7	98.7	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
76.9	91.4	93.0	95.8	97.7	98.7	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 873

USAF ETAC



GLOBAL CLIMATOLOGY BRANCH  
 UAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10451 LOSCOMBE DOWN UK

73-87

SEP

PER CENT FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

16.4	22.5	23.7	23.5	24.7	24.0	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
34.1	42.4	42.9	43.5	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
34.1	42.4	42.9	43.5	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
35.4	44.1	44.6	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
36.1	47.6	48.1	48.8	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
41.1	51.2	51.9	52.4	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
42.3	52.7	53.2	53.9	54.6	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
42.8	53.1	53.7	54.4	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
43.3	53.7	54.3	54.9	55.6	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
44.5	55.7	56.3	57.0	57.8	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
51.3	62.9	63.6	64.5	65.5	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
55.9	68.0	68.8	70.0	71.0	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
56.7	71.4	72.4	73.5	74.6	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
59.5	72.5	73.4	74.5	75.7	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
62.1	75.1	76.0	77.1	78.3	78.6	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
65.3	79.0	80.1	81.2	82.5	82.8	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
67.1	82.5	83.8	85.0	86.3	86.6	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
68.6	84.1	85.4	86.8	88.3	88.7	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
69.1	84.9	86.2	87.6	89.4	89.9	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
70.4	86.5	88.1	90.1	92.3	92.7	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
70.6	87.0	88.7	91.0	93.3	93.9	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
70.8	87.5	89.3	91.9	94.2	94.8	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
70.9	87.6	89.5	92.2	94.5	95.1	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
71.1	88.3	90.2	92.8	95.2	95.8	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
71.2	88.4	90.3	93.1	95.7	96.2	96.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
71.3	88.7	90.7	93.4	96.0	96.6	97.0	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
71.3	88.9	90.8	93.5	96.2	96.9	97.5	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
71.5	89.2	91.1	94.0	96.7	97.5	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
71.6	89.2	91.1	94.2	96.9	98.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.6	89.2	91.1	94.2	96.9	98.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.6	89.2	91.1	94.2	96.9	98.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

879

USAF ETA 10451 LOSCOMBE DOWN UK 73-87 SEP 1500-1700



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

12/480 BOSCOMBE DOWN UK

73-82

SEP

PER CENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1950-2000

19.9	28.1	37.1	31.9	32.7	33.1	33.1	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
32.5	44.3	46.5	48.7	49.5	50.1	50.1	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
32.7	44.1	46.7	48.9	49.7	50.2	50.2	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
32.7	44.1	46.7	48.9	49.7	50.2	50.2	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
33.5	45.1	47.9	50.2	51.0	51.6	51.6	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
35.4	47.4	51.2	52.5	53.3	53.9	53.9	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
38.5	51.5	54.3	56.7	57.6	58.2	58.2	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
38.8	52.4	55.4	57.9	58.8	59.3	59.5	60.0	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
39.1	53.1	56.3	58.5	59.6	60.1	60.4	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
39.2	53.2	56.2	58.7	59.7	60.3	60.5	61.0	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
41.1	54.1	57.2	59.7	60.8	61.4	61.6	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
43.6	58.5	61.6	64.4	66.4	67.2	67.4	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
45.4	61.2	64.4	67.7	69.8	70.6	71.3	71.5	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
47.2	63.4	66.7	70.6	72.8	73.6	73.9	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
47.7	64.4	67.8	71.6	73.8	74.6	75.1	75.6	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
51.1	68.8	72.3	76.5	78.7	79.6	80.1	80.6	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
52.8	71.6	75.5	80.0	82.2	83.1	83.6	84.4	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
53.3	73.1	77.3	81.9	84.2	85.1	85.5	86.3	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
54.1	73.7	77.9	82.7	85.1	86.1	86.7	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
54.4	74.5	78.8	83.8	86.3	87.4	88.0	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
55.3	75.7	80.3	85.4	88.2	89.3	90.3	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
55.2	76.7	81.2	86.4	89.3	90.4	91.1	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
55.5	77.3	81.7	86.9	90.0	91.1	91.8	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
55.5	77.4	82.6	88.0	91.5	92.7	93.4	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
55.7	78.0	83.1	88.6	92.1	93.5	94.2	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
55.8	78.5	83.8	89.4	92.9	94.3	95.1	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
55.9	78.7	84.1	89.6	93.2	94.6	95.6	96.8	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
55.9	78.8	84.2	89.7	93.3	94.8	95.7	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
55.9	78.9	84.4	90.0	93.6	95.2	96.1	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
55.9	79.0	84.5	90.1	93.8	95.8	96.8	98.6	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
55.9	79.3	84.5	90.1	93.8	95.8	96.8	98.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
55.9	79.3	84.5	90.1	93.8	95.8	96.8	98.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

878



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

3746 BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

23.5	31.3	33.9	37.2	38.6	39.6	40.2	42.1	42.7	42.8	42.9	42.9	43.2	43.3	43.3	43.5
28.0	38.7	42.2	46.2	47.6	48.7	49.4	51.3	51.9	52.0	52.1	52.1	52.4	52.6	52.6	52.7
28.7	38.7	42.2	46.2	47.6	48.7	49.4	51.3	51.9	52.0	52.1	52.1	52.4	52.6	52.6	52.7
28.7	38.7	42.2	46.2	47.6	48.7	49.4	51.3	51.9	52.0	52.1	52.1	52.4	52.6	52.6	52.7
28.6	39.2	42.9	47.0	48.5	49.6	50.3	52.2	52.8	52.9	53.0	53.0	53.4	53.5	53.5	53.6
29.5	40.4	44.1	48.4	49.8	51.0	51.6	53.6	54.2	54.3	54.4	54.4	54.7	54.8	54.8	54.9
30.7	42.2	46.0	50.3	51.8	52.9	53.6	55.5	56.1	56.2	56.3	56.3	56.7	56.8	56.8	56.9
32.2	44.4	48.5	52.9	54.4	55.5	56.2	58.1	58.8	58.9	59.2	59.2	59.5	59.6	59.6	59.7
32.3	44.5	48.6	53.0	54.5	55.6	56.3	58.2	58.9	59.0	59.3	59.3	59.6	59.7	59.7	59.8
32.3	44.7	48.8	53.2	54.7	55.9	56.5	58.5	59.2	59.3	59.5	59.5	59.8	60.0	60.0	60.1
33.6	46.5	50.7	55.3	56.8	57.9	58.6	60.5	61.2	61.3	61.5	61.5	61.9	62.0	62.0	62.1
35.8	49.7	54.6	59.3	61.0	62.2	62.9	64.8	65.5	65.6	65.9	65.9	66.2	66.3	66.3	66.4
37.1	51.5	56.4	61.4	63.1	64.4	65.1	67.0	67.7	67.8	68.0	68.0	68.4	68.5	68.5	68.6
38.3	53.4	58.2	63.3	65.0	66.2	66.9	68.9	69.6	69.7	70.0	70.0	70.3	70.4	70.4	70.5
38.7	54.2	59.7	64.4	66.2	67.5	68.1	70.2	71.1	71.2	71.4	71.4	71.8	71.9	71.9	72.0
39.7	56.2	61.4	66.9	68.8	70.2	71.0	73.2	74.1	74.2	74.4	74.4	74.7	74.9	74.9	75.0
41.3	58.1	63.4	68.8	70.9	72.2	73.0	75.2	76.1	76.2	76.5	76.5	76.8	76.9	76.9	77.0
42.5	60.3	65.9	71.3	73.5	75.0	75.8	77.9	78.8	79.1	79.3	79.3	79.6	79.7	79.7	79.9
43.7	61.3	66.9	72.4	74.5	76.0	76.8	79.1	80.1	80.3	80.5	80.5	80.9	81.0	81.0	81.1
43.2	62.0	67.9	73.4	75.5	77.0	77.9	80.3	81.3	81.6	81.8	81.8	82.1	82.3	82.3	82.4
43.9	64.1	70.1	75.9	78.2	80.0	80.9	83.4	84.4	84.6	84.9	84.9	85.2	85.3	85.3	85.4
44.6	65.4	71.4	77.5	79.7	81.6	82.6	85.3	86.3	86.6	86.8	86.8	87.1	87.3	87.3	87.4
44.6	65.6	71.7	77.8	80.2	82.0	83.0	85.9	86.9	87.1	87.4	87.4	87.7	87.8	87.8	87.9
44.6	66.1	72.4	78.5	81.3	83.2	84.2	87.3	88.3	88.5	88.7	88.7	89.1	89.2	89.2	89.3
44.8	67.1	73.5	79.7	82.6	84.6	85.9	89.0	90.0	90.2	90.4	90.4	90.8	90.9	90.9	91.0
45.4	67.9	74.3	80.7	83.6	86.0	87.3	90.3	91.4	91.6	91.8	91.8	92.2	92.3	92.3	92.4
45.6	68.3	74.9	81.7	84.6	87.0	88.3	91.4	92.4	92.6	92.8	92.8	93.2	93.3	93.3	93.4
45.6	68.5	75.3	82.4	85.6	88.1	89.5	92.8	94.1	94.3	94.5	94.5	94.9	95.0	95.0	95.1
45.6	68.5	75.3	82.7	86.1	88.6	90.1	93.4	94.7	94.9	95.1	95.1	95.6	95.7	95.8	95.9
45.6	68.6	75.4	83.4	86.8	89.3	91.0	94.5	96.0	96.4	96.6	96.6	97.2	97.3	97.4	97.6
45.6	68.6	75.4	83.4	86.8	89.3	91.0	94.8	96.6	97.3	97.6	97.6	98.4	98.5	98.6	99.0
45.6	68.6	75.4	83.4	86.8	89.3	91.0	95.0	96.8	97.5	98.0	98.1	98.9	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 879

NOTE: IF A ... ARE ABSOLUTE



1 GLOBAL CLIMATOLOGY BRANCH  
2 USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

17460 BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

18.9	25.3	26.9	28.7	29.6	30.5	30.9	31.8	32.3	32.5	32.6	32.7	32.9	33.3	33.5	74.2
27.8	36.1	38.2	40.3	41.3	42.3	42.8	43.8	44.3	44.6	44.7	44.8	45.0	45.6	45.8	46.6
27.9	36.1	38.2	40.4	41.4	42.4	42.8	43.9	44.3	44.7	44.8	44.8	45.1	45.6	45.8	46.7
27.9	36.2	38.3	40.4	41.5	42.5	42.9	43.9	44.4	44.7	44.8	44.9	45.1	45.7	45.9	46.7
28.6	37.0	39.1	41.3	42.4	43.4	43.8	44.8	45.3	45.6	45.8	45.8	46.0	46.6	46.8	47.7
29.8	38.5	40.7	43.0	44.1	45.1	45.6	46.6	47.1	47.4	47.5	47.6	47.8	48.4	48.6	49.5
31.9	41.3	43.6	46.0	47.1	48.2	48.7	49.7	50.2	50.6	50.7	50.8	51.0	51.6	51.8	52.6
32.8	42.7	44.9	47.5	48.6	49.8	50.3	51.4	51.9	52.3	52.4	52.5	52.7	53.3	53.5	54.4
33.7	42.9	45.2	47.7	48.8	50.0	50.6	51.7	52.2	52.6	52.8	52.8	53.1	53.7	53.9	54.7
33.2	43.2	45.4	48.0	49.2	50.3	50.9	52.0	52.5	52.9	53.1	53.2	53.4	54.0	54.2	55.0
34.1	44.4	46.7	49.4	50.6	51.7	52.3	53.4	53.9	54.3	54.5	54.6	54.8	55.4	55.6	56.4
37.1	48.0	50.6	53.4	54.9	56.1	56.7	58.0	58.5	58.9	59.1	59.2	59.4	60.1	60.3	61.1
39.7	50.5	53.3	56.3	57.8	59.1	59.8	61.0	61.6	62.0	62.2	62.3	62.5	63.2	63.4	64.2
40.9	53.0	55.8	58.9	60.5	61.8	62.5	63.7	64.3	64.7	64.9	65.0	65.3	65.9	66.1	66.9
41.7	54.2	57.0	60.2	61.8	63.1	63.8	65.1	65.7	66.1	66.3	66.4	66.7	67.3	67.5	68.3
43.7	56.7	59.6	63.0	64.7	66.0	66.7	68.0	68.6	69.1	69.3	69.3	69.6	70.2	70.4	71.3
45.9	59.6	62.6	66.0	67.8	69.1	69.8	71.2	71.8	72.2	72.5	72.5	72.8	73.4	73.6	74.5
47.7	62.4	65.6	69.1	70.9	72.3	73.1	74.4	75.1	75.6	75.8	75.8	76.1	76.8	77.0	77.8
48.6	63.6	66.8	70.5	72.5	73.9	74.6	76.0	76.7	77.2	77.4	77.4	77.8	78.4	78.6	79.4
49.5	65.0	68.4	72.2	74.2	75.7	76.5	77.9	78.6	79.1	79.3	79.4	79.7	80.3	80.5	81.4
51.0	67.5	71.1	75.2	77.5	79.0	79.8	81.3	82.0	82.5	82.7	82.7	83.1	83.7	83.9	84.8
51.6	68.6	72.4	76.7	79.1	80.7	81.7	83.2	83.9	84.4	84.6	84.7	85.0	85.6	85.8	86.7
51.9	69.3	73.2	77.6	80.1	81.7	82.6	84.2	84.9	85.4	85.6	85.7	86.0	86.6	86.8	87.7
52.2	70.0	74.0	78.6	81.3	83.0	83.9	85.6	86.3	86.9	87.1	87.1	87.4	88.1	88.3	89.1
52.5	70.9	75.0	79.6	82.4	84.3	85.3	87.0	87.7	88.3	88.5	88.5	88.9	89.5	89.7	90.6
52.8	71.5	75.7	80.5	83.5	85.4	86.5	88.3	89.1	89.6	89.8	89.9	90.2	90.8	91.1	91.9
53.0	71.9	76.2	81.4	84.4	86.4	87.5	89.4	90.2	90.7	90.9	91.0	91.3	91.9	92.2	93.0
53.7	72.3	76.7	82.0	85.2	87.3	88.5	90.6	91.5	92.0	92.3	92.3	92.7	93.3	93.5	94.4
53.1	72.5	77.0	82.5	85.9	88.1	89.4	91.9	92.8	93.4	93.6	93.7	94.0	94.7	94.9	95.8
53.1	72.6	77.2	82.9	86.4	88.8	90.3	92.9	94.0	94.8	95.0	95.1	95.4	96.1	96.3	97.2
53.1	72.6	77.2	83.0	86.5	89.0	90.6	93.4	94.6	95.3	95.9	96.0	96.4	97.2	97.5	98.5
53.1	72.6	77.2	83.0	86.5	89.0	90.6	93.5	94.8	95.7	96.1	96.3	96.8	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

7017



GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

17400 60SCOMBE DOWN JK

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-2000

16.8	24.9	26.4	28.4	31.1	31.3	31.9	33.1	34.0	34.4	34.5	34.6	34.9	35.4	35.6	37.4
20.3	30.2	32.8	35.2	37.1	38.7	39.7	41.0	41.9	42.3	42.5	42.6	42.8	43.3	43.5	45.5
20.5	30.4	33.3	35.4	37.4	38.9	40.0	41.3	42.1	42.6	42.7	42.8	43.0	43.5	43.8	45.7
20.5	30.4	33.0	35.4	37.4	38.9	40.0	41.3	42.1	42.6	42.7	42.8	43.0	43.5	43.8	45.7
20.6	30.5	33.2	35.6	37.6	39.1	40.2	41.5	42.3	42.8	42.9	43.0	43.2	43.8	44.0	45.9
21.3	31.5	34.4	36.9	38.9	40.4	41.5	42.8	43.6	44.1	44.2	44.3	44.5	45.1	45.3	47.2
21.7	33.0	35.9	38.4	40.4	41.9	43.1	44.4	45.3	45.7	45.8	45.9	46.1	46.7	46.9	48.9
22.0	33.6	36.5	39.2	41.3	42.9	44.2	45.5	46.4	46.8	46.9	47.0	47.2	47.8	48.0	49.9
22.1	34.0	36.9	39.6	41.7	43.3	44.6	45.9	46.8	47.2	47.3	47.4	47.7	48.2	48.4	50.4
22.1	34.2	37.1	39.8	42.0	43.6	45.0	46.3	47.1	47.6	47.7	47.8	48.0	48.5	48.8	50.7
22.9	35.4	38.4	41.5	43.9	45.6	46.9	48.2	49.1	49.6	49.7	49.8	50.1	50.6	50.8	52.9
24.0	38.0	41.4	44.8	47.6	49.3	50.6	52.1	53.2	53.7	54.0	54.1	54.3	54.8	55.0	57.1
24.5	39.4	42.8	46.5	49.3	51.0	52.3	54.0	55.2	55.7	55.9	56.0	56.2	56.8	57.0	59.1
25.7	40.9	44.3	48.1	51.0	52.8	54.1	55.8	57.0	57.5	57.8	57.9	58.1	58.6	58.8	60.9
26.5	42.3	45.5	49.3	52.2	54.0	55.3	57.0	58.2	58.7	59.1	59.2	59.4	59.9	60.2	62.2
26.7	44.5	48.3	52.4	55.5	57.3	58.6	60.4	61.6	62.1	62.4	62.5	62.8	63.3	63.5	65.6
29.6	46.7	50.7	54.8	58.1	59.9	61.2	63.0	64.2	64.7	65.0	65.1	65.4	65.9	66.1	68.2
30.7	48.9	53.4	58.1	61.6	63.6	65.0	67.0	68.2	68.7	69.1	69.2	69.4	70.0	70.2	72.3
31.3	49.9	54.6	59.4	62.9	65.3	66.7	68.7	70.0	70.6	70.9	71.0	71.2	72.0	72.2	74.3
31.8	51.4	56.2	61.3	64.8	67.2	68.6	71.1	72.4	73.0	73.3	73.4	73.6	74.4	74.6	76.8
33.2	53.3	58.4	63.6	67.2	69.7	71.3	74.4	75.8	76.3	76.7	76.8	77.0	77.9	78.1	80.3
34.1	54.8	60.0	65.6	69.5	72.1	73.9	77.0	78.5	79.0	79.4	79.5	79.7	80.6	80.8	83.1
34.3	55.7	61.0	66.6	70.7	73.5	75.4	78.5	80.0	80.6	80.9	81.0	81.2	82.1	82.3	84.6
34.4	56.7	62.0	68.1	72.4	75.4	77.2	80.5	82.1	82.6	83.0	83.1	83.3	84.1	84.4	86.6
34.4	57.3	62.6	68.8	73.4	76.3	78.3	81.5	83.4	83.9	84.3	84.4	84.6	85.5	85.7	87.9
34.4	57.4	63.1	69.4	73.9	77.0	79.2	82.6	84.6	85.2	85.6	85.7	86.0	86.9	87.1	89.4
34.4	57.7	63.3	69.7	74.4	77.5	79.8	83.4	85.3	86.0	86.3	86.4	86.8	87.6	87.8	90.1
34.5	58.3	64.1	70.6	75.5	78.7	81.2	85.0	87.0	87.7	88.1	88.2	88.5	89.4	89.6	91.9
34.5	58.5	64.5	71.2	76.2	79.6	82.2	86.1	88.2	88.9	89.3	89.4	89.7	90.6	90.8	93.1
34.5	58.6	64.6	71.3	76.9	80.2	83.0	87.2	89.3	90.6	91.0	91.1	91.5	92.4	92.6	94.9
34.5	58.6	64.6	71.3	77.2	80.9	83.8	88.2	90.3	91.7	92.4	92.5	92.9	93.9	94.1	97.0
34.5	58.6	64.7	71.4	77.3	81.0	83.9	88.3	90.4	92.1	92.8	92.9	93.6	95.7	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 921



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION: BOSCOMBE DOWN UK

73-82

007

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

15.3	21.8	23.5	24.3	26.2	27.6	28.6	30.1	30.7	30.9	31.0	31.1	31.9	32.5	32.8	35.2
17.2	25.9	28.4	29.3	31.6	33.2	34.2	35.8	36.1	36.7	36.8	36.9	37.9	38.5	38.9	41.2
17.4	26.0	28.5	29.4	31.7	33.3	34.3	35.9	36.2	36.8	36.9	37.0	38.0	38.6	39.9	41.3
17.5	26.1	28.6	29.5	31.8	33.4	34.4	36.0	36.4	36.9	37.0	37.1	38.1	38.8	39.7	41.4
17.7	26.7	29.3	30.2	32.5	34.2	35.2	36.8	37.1	37.7	37.8	37.9	38.9	39.5	39.7	42.1
18.1	27.6	30.1	31.1	33.4	35.0	36.0	37.7	38.0	38.5	38.6	38.8	39.7	40.4	40.6	43.0
18.7	28.6	31.1	32.2	34.7	36.5	37.4	39.2	39.5	40.1	40.2	40.3	41.3	41.9	42.1	44.5
19.2	29.3	31.8	32.9	35.4	37.1	38.1	39.8	40.2	40.7	40.8	40.9	41.9	42.6	42.8	45.2
19.4	29.6	32.1	33.2	35.7	37.4	38.4	40.2	40.5	41.0	41.2	41.3	42.2	42.9	43.1	45.5
19.7	30.1	32.6	33.8	36.5	38.2	39.2	40.9	41.3	41.8	41.9	42.0	43.0	43.7	43.9	46.3
20.6	31.2	33.7	35.0	37.9	39.6	40.8	42.7	43.0	43.6	43.7	43.8	44.8	45.4	45.6	48.1
21.5	33.1	35.9	37.8	41.2	43.0	44.5	46.9	47.5	48.1	48.3	48.4	49.5	50.1	50.4	53.2
22.2	34.0	37.0	39.7	43.2	45.2	46.8	49.3	49.9	50.5	50.7	50.8	51.9	52.5	52.9	55.7
23.1	35.4	38.5	41.5	45.2	47.2	48.9	51.4	52.0	52.7	52.9	53.1	54.1	54.8	55.2	58.0
23.4	35.7	38.9	41.8	45.5	47.5	49.2	51.7	52.3	53.1	53.3	53.4	54.5	55.1	55.6	58.3
25.0	38.2	41.4	45.0	48.7	50.7	52.5	55.1	55.7	56.4	56.7	56.8	57.9	58.5	59.0	61.7
26.4	40.8	44.5	48.4	52.3	54.3	56.1	58.7	59.4	60.2	60.4	60.5	61.6	62.2	62.7	65.4
27.7	42.8	46.7	50.8	54.9	56.9	58.7	61.5	62.1	63.0	63.2	63.3	64.4	65.2	65.6	68.3
28.5	43.9	47.9	52.2	56.4	58.5	60.4	63.1	63.8	64.6	64.8	65.0	66.2	66.9	67.4	70.1
29.5	45.4	49.5	54.0	58.3	60.5	62.4	65.2	65.8	66.7	66.9	67.0	68.2	69.0	69.4	72.2
30.5	47.2	51.4	56.3	60.9	63.2	65.2	68.1	68.8	69.8	70.0	70.1	71.3	72.2	72.6	75.4
31.0	48.4	52.8	58.3	63.2	65.6	67.6	70.5	71.3	72.4	72.6	72.7	73.9	74.8	75.2	78.1
31.1	48.8	53.3	58.8	63.8	66.3	68.7	71.5	72.3	73.4	73.6	73.7	74.9	75.8	76.2	79.0
31.9	49.6	54.3	60.2	65.4	67.9	69.9	73.3	74.0	75.1	75.3	75.4	76.6	77.5	77.9	80.8
32.0	50.9	55.7	62.0	67.4	70.0	71.9	75.4	76.2	77.3	77.5	77.6	78.8	79.8	80.2	83.1
32.3	51.7	56.9	63.5	69.0	71.9	74.0	77.7	78.5	79.6	79.8	79.9	81.2	82.2	82.6	85.5
32.3	52.2	57.4	64.4	70.0	73.1	75.2	79.0	79.8	80.9	81.1	81.2	82.5	83.6	84.1	86.9
32.3	52.7	58.3	65.5	71.2	74.9	77.2	81.4	82.4	83.6	83.8	84.0	85.3	86.4	86.8	89.6
32.4	53.1	59.0	66.3	72.1	76.0	78.3	82.9	83.8	85.0	85.3	85.4	86.7	87.8	88.2	91.0
32.4	53.4	59.3	67.2	73.1	77.2	79.8	84.8	86.0	87.3	87.6	87.7	89.1	90.2	90.6	93.4
32.4	53.4	59.3	67.2	73.5	77.5	80.1	85.5	86.8	88.1	88.3	88.4	90.0	91.0	91.5	95.3
32.4	53.4	59.3	67.2	73.5	77.5	80.2	85.7	87.1	88.5	88.9	89.0	90.6	92.2	92.9	100.0

TOTAL NUMBER OF OBSERVATIONS

916

USAF ETAC



GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

137467 BOSCOMBE DOWN UK

73-82

007

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-1800

17.0	14.7	15.6	15.7	16.3	16.2	16.6	17.2	17.3	17.6	17.8	18.1	18.6	19.5	20.1	22.1
15.2	20.8	22.4	23.3	24.1	24.5	24.9	26.0	26.2	26.6	27.0	27.4	28.2	29.6	30.2	32.5
15.5	21.2	22.7	23.7	24.4	24.9	25.2	26.3	26.5	26.9	27.4	27.7	28.6	29.9	30.5	32.8
15.6	21.3	22.8	23.8	24.5	25.0	25.3	26.4	26.6	27.0	27.5	27.8	28.7	30.0	30.6	32.9
15.8	21.6	23.2	24.3	25.3	25.7	26.1	27.2	27.4	27.8	28.2	28.6	29.4	30.9	31.5	33.8
16.6	22.8	24.5	25.7	26.8	27.4	27.9	29.1	29.3	29.8	30.2	30.6	31.5	32.9	33.6	35.9
18.3	25.3	26.9	28.1	29.4	30.1	30.6	32.1	32.3	32.7	33.4	33.8	34.7	36.2	36.9	39.1
19.3	26.7	28.8	30.0	31.3	32.0	32.5	34.2	34.5	34.9	35.6	36.0	36.9	38.4	39.0	41.3
19.3	26.8	28.9	30.1	31.4	32.1	32.6	34.4	34.6	35.0	35.7	36.1	37.1	38.6	39.3	41.5
19.5	27.2	29.2	30.4	31.7	32.4	33.3	35.3	35.6	36.0	36.6	37.1	38.1	39.6	40.2	42.5
20.4	28.1	30.2	31.7	33.2	33.8	34.7	36.8	37.0	37.4	38.1	38.5	39.5	41.0	41.7	43.9
21.4	30.6	32.8	34.9	37.0	37.8	38.9	41.4	41.8	42.6	43.4	43.8	44.9	46.5	47.1	49.5
22.5	32.2	34.4	36.6	39.0	39.9	41.1	43.7	44.2	45.0	45.8	46.2	47.3	49.0	49.6	52.0
23.6	33.4	35.7	37.9	40.7	41.5	42.7	45.4	45.8	46.8	47.5	48.1	49.3	50.9	51.6	54.0
24.3	34.5	36.8	39.1	42.1	43.0	44.2	46.9	47.3	48.3	49.1	49.6	50.8	52.5	53.1	55.5
26.2	36.9	39.4	41.9	45.4	46.3	47.7	50.5	50.9	51.9	52.7	53.2	54.4	56.1	56.7	59.1
28.2	39.8	42.5	45.0	48.9	49.8	51.3	54.2	54.6	55.6	56.4	56.9	58.1	59.9	60.5	62.9
29.9	42.5	45.6	48.3	52.1	53.3	54.9	57.9	58.3	59.5	60.3	60.9	62.1	63.8	64.4	66.8
30.4	43.5	46.7	49.9	53.8	55.0	56.5	59.5	60.0	61.2	61.9	62.5	63.7	65.4	66.1	68.5
31.6	45.1	48.3	51.6	55.4	56.7	58.2	61.5	61.9	63.1	63.9	64.4	65.6	67.4	68.0	70.4
32.5	46.9	50.3	53.5	57.9	59.3	60.9	64.2	64.8	66.0	67.0	67.5	68.7	70.4	71.1	73.6
32.9	48.2	51.7	55.0	59.5	61.2	62.8	66.2	66.7	67.9	68.9	69.5	70.8	72.5	73.2	75.7
33.0	48.7	52.2	55.7	60.4	62.1	63.7	67.4	67.9	69.1	70.1	70.7	72.0	73.7	74.4	76.9
33.4	49.7	53.5	57.4	62.4	64.3	66.1	69.9	70.6	71.8	72.7	73.3	74.6	76.3	77.0	79.5
33.8	50.7	54.9	59.2	64.7	66.7	68.7	72.5	73.2	74.4	75.4	75.9	77.2	79.0	79.6	82.1
33.9	51.3	55.7	60.4	66.3	68.7	70.8	74.6	75.2	76.4	77.4	78.0	79.3	81.0	81.7	84.2
33.9	51.4	55.8	61.0	67.0	69.5	71.5	75.7	76.3	77.5	78.5	79.1	80.4	82.1	82.8	85.3
34.0	51.9	56.6	61.7	67.8	70.6	72.8	77.5	78.2	79.5	80.5	81.0	82.3	84.1	84.7	87.2
34.3	52.0	56.9	62.4	68.8	71.8	74.0	79.2	79.9	81.2	82.2	82.8	84.1	85.8	86.5	89.0
34.3	52.1	57.0	62.7	69.9	73.1	75.6	80.9	81.7	83.0	84.0	84.5	85.8	87.7	88.3	90.8
34.3	52.1	57.0	62.7	69.9	73.1	75.7	81.1	81.9	83.4	84.6	85.2	86.8	89.0	89.9	93.7
34.0	52.1	57.0	62.7	69.9	73.1	75.7	81.1	81.9	83.5	84.7	85.3	87.1	90.2	91.3	100.0

TOTAL NUMBER OF OBSERVATIONS 917



## CEILING VERSUS VISIBILITY

73-E2

257

1929-1150

TOTAL NUMBER OF OBSERVATIONS 932



## CEILING VERSUS VISIBILITY

03745 BOSCOMBE DOWN UK

73-82

752

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1700-1400

12.1	15.6	16.8	17.5	17.9	18.2	18.5	18.5	18.7	18.8	19.8	18.8	18.8	18.8	18.8	18.8
22.7	27.9	29.6	30.7	31.3	32.0	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6
22.7	27.9	29.6	30.7	31.3	32.0	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6
22.7	27.9	29.6	30.7	31.3	32.0	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6
24.5	29.9	31.7	33.0	33.5	34.2	34.6	34.6	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9
26.5	32.2	34.0	35.2	35.8	36.4	36.9	36.9	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1
29.9	36.1	37.9	39.1	39.8	40.4	41.0	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3
30.7	37.1	38.9	40.2	40.9	41.6	42.2	42.3	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6
30.9	37.3	39.1	40.7	41.3	42.0	42.7	42.8	42.9	43.0	43.1	43.0	43.0	43.0	43.0	43.0
31.3	37.7	39.6	41.2	41.9	42.6	43.2	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
32.6	39.3	41.2	42.9	43.6	44.2	44.9	45.0	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3
35.8	43.5	46.0	48.2	48.9	49.6	50.4	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
38.2	46.4	49.1	51.3	52.1	52.7	53.5	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1
41.1	49.7	52.5	54.9	55.8	56.4	57.2	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
42.2	51.1	53.9	56.2	57.1	57.8	58.5	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
45.7	55.1	57.9	60.2	61.1	61.8	62.6	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
49.8	60.2	63.1	65.5	66.5	67.3	68.0	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
54.2	65.4	68.6	71.1	72.2	73.0	73.9	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
56.3	67.3	70.5	73.1	74.3	75.1	76.0	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
57.4	69.4	72.7	75.9	77.3	78.2	79.1	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
61.1	74.9	79.8	82.6	84.2	85.3	86.1	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
61.7	76.1	80.1	84.4	86.4	87.5	88.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
62.3	77.3	81.3	85.7	87.8	88.9	89.9	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
63.1	79.1	83.4	87.7	89.8	90.9	92.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
63.2	79.6	84.6	89.3	91.6	92.7	93.9	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
63.5	80.3	85.5	90.4	92.8	94.1	95.2	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
63.8	80.9	86.1	91.2	93.7	95.0	96.1	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
63.8	80.9	86.4	91.4	94.1	95.3	96.4	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
63.8	80.9	86.4	91.5	94.4	95.8	97.1	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
63.8	80.9	86.4	91.5	94.4	95.8	97.2	99.0	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
63.8	80.9	86.4	91.5	94.5	95.9	97.3	99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9
63.8	80.9	86.4	91.5	94.5	95.9	97.3	99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 895

[illegible]



2  
GENERAL CLIMATOLOGY BRANCH  
STAFSTAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

1945 EDSOMBE DOWN UP

73-87

OCT

ALL DATA ARE FREQUENCY OF OCCURRENCE  
FROM 1000 HOURS OBSERVATION

1500-1700

16.3	19.2	20.3	21.0	21.5	21.9	22.0	22.0	22.3	22.3	22.3	22.4	22.4	22.4	22.4	22.4
26.5	31.7	33.3	34.4	35.0	35.4	35.9	36.0	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3
26.7	31.9	33.5	34.7	35.2	35.7	36.1	36.2	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5
26.8	32.0	33.7	34.8	35.3	35.8	36.2	36.3	36.5	36.5	36.5	36.7	36.7	36.7	36.7	36.7
28.2	33.4	35.1	36.2	36.8	37.2	37.7	37.8	38.1	38.0	38.0	38.1	38.1	38.1	38.1	38.1
37.1	35.8	37.5	38.6	39.2	39.6	40.1	40.2	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5
33.7	39.4	41.3	42.4	43.0	43.4	43.9	44.0	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3
34.4	40.3	42.3	43.4	44.0	44.4	44.9	45.0	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3
35.1	41.1	43.2	44.4	45.0	45.4	45.8	46.0	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3
35.2	41.7	43.9	45.2	45.7	46.2	46.6	46.7	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1
36.7	43.4	45.5	47.2	47.7	48.2	48.6	48.7	48.9	48.9	48.9	49.1	49.1	49.1	49.1	49.1
39.1	48.0	50.2	52.0	52.6	53.2	53.9	54.2	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5
42.7	51.6	53.8	55.9	56.6	57.1	57.9	58.1	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5
44.2	53.9	56.1	58.3	58.9	59.5	60.2	60.5	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8
46.2	56.0	58.3	60.4	61.0	61.6	62.3	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9
50.2	61.8	63.0	65.1	66.0	66.6	67.3	67.6	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9
52.7	64.5	66.7	69.2	70.1	70.8	71.5	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3
56.0	68.8	71.1	74.0	75.2	76.1	76.9	77.6	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0
56.3	69.2	71.7	74.5	75.7	76.7	77.5	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6
57.6	72.2	74.6	78.2	79.7	80.7	81.6	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7
60.1	75.9	78.5	82.4	84.1	85.5	86.4	87.6	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9
61.0	76.9	79.5	83.6	85.4	87.2	88.0	89.3	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7
61.7	77.2	80.0	84.2	86.0	88.0	88.9	90.4	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8
61.7	78.3	81.2	85.6	87.6	89.7	90.6	92.0	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5
62.1	73.8	81.9	86.4	88.7	90.9	91.9	93.7	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2
62.3	79.4	82.6	87.3	89.9	92.2	93.4	95.1	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7
62.7	83.7	83.5	88.2	91.0	93.4	94.5	96.3	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9
62.8	80.3	83.8	88.8	91.9	94.2	95.5	97.3	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1
62.8	80.3	83.8	88.8	92.1	94.5	95.9	97.8	98.2	98.4	98.5	98.7	98.7	98.7	98.7	98.7
62.8	80.3	83.8	88.9	92.4	95.0	96.6	98.8	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8
62.8	80.3	83.8	88.9	92.4	95.0	96.7	99.0	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
62.8	80.3	83.8	88.9	92.4	95.0	96.7	99.0	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 903



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION BOSCOMBE DOWN UK

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1933-1933

25.3	25.2	26.4	28.5	29.8	30.6	31.1	31.8	32.3	32.7	32.8	32.8	32.8	32.8	32.9	33.3
26.4	33.7	35.7	38.3	40.0	41.0	41.7	42.4	42.9	43.4	43.5	43.5	43.5	43.5	43.6	43.9
26.4	33.7	35.7	38.3	40.0	41.0	41.7	42.4	42.9	43.4	43.5	43.5	43.5	43.5	43.6	43.9
26.4	33.7	35.7	38.3	40.0	41.0	41.7	42.4	42.9	43.4	43.5	43.5	43.5	43.5	43.6	43.9
26.8	34.4	36.3	39.0	40.8	41.8	42.4	43.2	43.6	44.2	44.3	44.3	44.3	44.3	44.4	44.7
27.9	35.8	37.7	40.5	42.2	43.2	43.9	44.7	45.1	45.7	45.8	45.8	45.8	45.8	45.9	46.2
29.3	37.6	39.9	42.9	44.6	45.6	46.3	47.1	47.5	48.1	48.2	48.2	48.2	48.2	48.3	48.6
30.9	39.5	42.0	45.3	47.0	48.0	48.7	49.5	49.9	50.5	50.6	50.6	50.6	50.6	50.7	51.0
31.2	39.9	42.4	45.7	47.4	48.4	49.2	49.9	50.4	50.9	51.0	51.0	51.0	51.0	51.1	51.5
31.5	40.3	42.9	46.1	47.9	48.9	49.6	50.4	50.8	51.4	51.5	51.5	51.5	51.5	51.6	51.9
32.1	41.7	44.4	47.9	49.6	50.6	51.4	52.1	52.6	53.1	53.2	53.2	53.2	53.2	53.3	53.7
33.2	45.4	49.1	52.9	54.7	55.8	56.6	57.9	58.3	58.9	59.0	59.0	59.0	59.0	59.1	59.4
34.2	47.7	51.4	55.6	57.5	58.6	59.3	60.6	61.1	61.6	61.7	61.7	61.8	61.8	62.1	62.5
35.2	49.1	53.1	57.6	59.4	60.5	61.3	62.6	63.0	63.6	63.7	63.7	63.8	63.8	64.0	64.4
35.9	49.9	54.2	58.8	60.9	62.1	62.8	64.1	64.6	65.1	65.2	65.2	65.3	65.3	65.5	66.0
38.6	53.5	57.9	62.5	64.7	65.9	66.6	67.9	68.4	68.9	69.0	69.0	69.1	69.1	69.4	69.8
41.0	56.9	61.6	66.3	68.7	70.1	71.0	72.3	72.7	73.3	73.4	73.4	73.5	73.5	73.7	74.2
42.1	59.7	64.9	70.0	72.5	74.2	75.4	76.8	77.2	77.8	77.9	77.9	78.0	78.0	78.2	78.6
42.3	61.0	66.2	71.5	74.0	75.8	77.0	78.4	78.8	79.4	79.5	79.5	79.6	79.6	79.8	80.3
42.6	61.5	67.0	72.7	75.2	77.0	78.2	79.9	80.4	80.9	81.0	81.0	81.1	81.1	81.4	81.8
43.8	63.4	69.1	74.9	77.6	79.5	80.8	82.9	83.3	83.9	84.0	84.0	84.1	84.1	84.3	84.7
44.1	64.4	70.6	76.6	79.4	81.2	82.9	85.3	85.8	86.4	86.5	86.5	86.6	86.6	86.8	87.2
44.1	64.7	70.8	77.0	79.8	81.7	83.3	85.7	86.3	86.8	86.9	86.9	87.0	87.0	87.2	87.7
44.1	65.1	71.3	78.1	81.0	82.9	84.5	87.0	87.6	88.2	88.3	88.3	88.4	88.4	88.7	89.1
44.2	65.5	71.9	79.0	82.0	84.0	85.6	88.1	88.7	89.3	89.4	89.4	89.5	89.5	89.7	90.2
44.3	66.2	72.6	80.3	83.9	85.8	87.5	90.0	90.5	91.2	91.3	91.3	91.4	91.4	91.6	92.1
44.5	66.6	73.3	81.2	85.1	87.1	88.8	91.6	92.1	92.9	93.0	93.0	93.1	93.1	93.3	93.8
44.5	67.4	74.4	82.3	86.3	88.4	90.3	93.2	93.9	94.8	94.9	94.9	95.0	95.0	95.2	95.6
44.5	67.5	74.7	82.9	87.0	89.3	91.2	94.4	95.2	96.1	96.2	96.2	96.3	96.3	96.5	96.9
44.5	67.5	74.7	83.0	87.5	89.9	92.0	95.3	96.2	97.2	97.5	97.5	97.6	97.6	97.8	98.3
44.5	67.5	74.7	83.0	87.7	90.3	92.6	96.2	97.3	98.4	98.8	98.8	98.9	98.9	99.2	99.9
44.5	67.5	74.7	83.0	87.7	90.3	92.6	96.2	97.3	98.4	98.8	98.8	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 917



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF-WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

11401 BOSCOMBE DOWN JK

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

17.5	24.6	26.7	29.3	37.5	31.3	31.7	32.7	33.3	33.6	34.0	34.1	34.2	34.6	34.7	35.7
22.8	32.3	34.6	38.4	40.4	41.3	41.9	42.9	43.5	43.8	44.2	44.3	44.5	44.8	44.9	45.6
22.9	32.5	34.8	38.6	40.6	41.5	42.2	43.1	43.7	44.0	44.5	44.6	44.7	45.0	45.1	45.8
22.9	32.6	34.9	38.7	40.7	41.6	42.3	43.2	43.9	44.1	44.6	44.7	44.8	45.1	45.2	45.9
22.9	32.9	35.2	39.1	41.1	41.9	42.6	43.6	44.1	44.5	44.9	45.0	45.1	45.4	45.6	46.2
23.9	34.4	36.8	40.7	42.8	43.7	44.3	45.3	45.9	46.2	46.7	46.8	46.9	47.2	47.3	48.0
24.7	36.2	39.7	42.7	44.9	45.8	46.4	47.5	48.1	48.4	48.8	49.0	49.1	49.4	49.5	50.2
25.6	37.3	40.0	44.0	46.2	47.1	47.9	49.0	49.5	49.8	50.3	50.4	50.5	50.8	50.9	51.6
25.7	37.7	40.3	44.3	46.5	47.4	48.2	49.3	49.8	50.2	50.6	50.7	50.8	51.2	51.3	51.9
25.7	38.1	41.6	44.8	47.0	47.9	48.6	49.7	50.3	50.6	51.0	51.2	51.3	51.6	51.7	52.4
26.6	40.0	43.1	47.3	49.5	50.4	51.4	52.5	53.0	53.3	53.8	53.9	54.0	54.3	54.4	55.1
27.6	41.7	45.1	50.6	53.8	54.8	55.9	57.1	57.6	58.1	58.5	58.6	58.7	59.1	59.2	59.9
28.2	43.1	46.8	52.4	55.9	56.9	58.1	59.4	59.9	60.4	60.8	60.9	61.0	61.4	61.5	62.2
28.8	44.3	48.1	54.3	58.2	59.2	60.4	61.7	62.2	62.7	63.1	63.2	63.3	63.7	63.8	64.5
29.2	45.2	49.3	55.5	59.4	60.4	61.6	63.1	63.7	64.1	64.5	64.7	64.8	65.1	65.2	66.0
30.2	47.2	51.3	57.8	61.9	63.1	64.4	66.0	66.5	67.0	67.4	67.5	67.7	68.1	68.2	68.9
31.3	50.3	54.8	61.4	65.5	67.1	68.5	70.0	70.6	71.0	71.5	71.6	71.8	72.1	72.2	73.1
33.5	53.8	58.3	65.1	69.3	70.9	72.8	74.5	75.2	75.7	76.2	76.3	76.5	76.8	76.9	77.8
34.0	54.9	59.4	66.5	70.8	72.4	74.3	76.3	76.9	77.5	77.9	78.0	78.3	78.6	78.7	79.6
34.6	56.3	61.0	68.2	72.6	74.2	76.2	78.6	79.3	79.8	80.2	80.4	80.6	80.9	81.0	82.0
35.2	58.1	63.1	70.5	75.0	76.8	78.8	81.7	82.4	83.0	83.4	83.5	83.8	84.1	84.2	85.2
35.3	58.9	64.1	71.6	76.2	78.2	80.2	83.4	84.2	84.7	85.2	85.3	85.5	85.8	85.9	86.9
35.3	59.3	64.3	72.1	76.7	78.7	80.8	84.0	84.7	85.3	85.7	85.8	86.1	86.4	86.5	87.5
35.7	59.9	65.1	72.9	77.5	79.6	81.7	84.9	85.6	86.2	86.6	86.7	86.9	87.3	87.4	88.4
36.2	60.7	65.9	73.9	78.5	80.8	82.9	86.1	86.8	87.4	87.8	87.9	88.1	88.5	88.6	89.6
36.2	61.1	66.3	74.8	79.5	82.0	84.1	87.5	88.5	89.0	89.5	89.6	89.9	90.2	90.3	91.3
36.3	61.9	67.1	75.6	80.5	83.1	85.2	88.6	89.6	90.2	90.7	90.8	91.1	91.4	91.5	92.5
36.3	62.5	67.7	76.4	81.6	84.2	86.4	89.8	90.8	91.4	91.9	92.0	92.3	92.6	92.8	93.7
36.3	62.6	68.1	76.7	81.9	84.7	87.4	90.9	92.0	92.6	93.1	93.2	93.5	93.9	94.0	95.0
36.3	62.7	68.2	76.9	82.4	85.4	88.3	92.0	93.1	94.0	94.4	94.5	95.1	95.4	95.5	96.5
36.3	62.7	68.2	77.1	82.5	85.6	88.5	92.4	93.5	94.5	95.2	95.3	95.9	96.3	96.4	98.0
36.3	62.7	68.2	77.1	82.5	85.6	88.5	92.4	93.5	94.5	95.3	95.5	96.3	97.4	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 911



GLOBAL CLIMATOLOGY BRANCH  
 GRAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73407 BOSCOMBE DOWN UP

73-62

251

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

25.3	27.2	21.5	22.8	23.8	24.5	24.9	25.6	26.0	26.2	26.4	26.5	26.7	27.0	27.2	28.2
21.7	28.6	31.7	32.5	33.9	34.8	35.4	36.3	36.6	36.9	37.1	37.2	37.5	37.9	38.1	39.1
21.5	28.9	31.8	32.7	34.0	34.9	35.6	36.4	36.8	37.1	37.3	37.4	37.7	38.1	38.3	39.3
21.9	29.7	30.0	32.8	34.1	35.0	35.7	36.5	36.9	37.2	37.4	37.5	37.8	38.2	38.4	39.4
22.5	29.8	31.8	33.8	35.1	36.1	36.7	37.5	37.9	38.2	38.4	38.5	38.8	39.2	39.4	40.4
23.5	31.3	33.4	35.4	36.8	37.7	38.4	39.3	39.6	39.9	40.1	40.3	40.6	41.0	41.2	42.2
25.3	33.5	35.8	37.8	39.3	40.2	41.0	41.9	42.2	42.6	42.8	42.9	43.2	43.6	43.8	44.8
26.2	34.8	37.1	39.2	40.7	41.7	42.5	43.4	43.8	44.1	44.3	44.5	44.8	45.2	45.4	46.4
26.5	35.2	37.5	39.7	41.2	42.2	43.0	43.9	44.3	44.6	44.8	45.0	45.3	45.7	45.9	46.9
26.6	35.6	37.9	40.1	41.7	42.7	43.5	44.5	44.9	45.2	45.4	45.6	45.9	46.3	46.5	47.5
27.5	37.0	39.4	41.8	43.4	44.5	45.3	46.3	46.7	47.0	47.3	47.4	47.7	48.1	48.3	49.4
29.3	40.1	42.9	45.8	47.8	49.0	50.0	51.3	51.8	52.2	52.4	52.6	52.9	53.3	53.5	54.6
30.5	42.0	44.9	48.1	50.2	51.4	52.5	53.8	54.3	54.7	55.0	55.1	55.5	55.9	56.1	57.3
32.0	43.8	46.8	50.1	52.5	53.7	54.9	56.2	56.7	57.1	57.4	57.5	57.9	58.3	58.6	59.7
32.8	44.9	47.9	51.4	53.8	55.0	56.1	57.5	58.1	58.4	58.7	53.8	59.2	59.7	59.9	61.0
34.9	47.8	51.0	54.6	57.2	58.4	59.6	61.0	61.5	61.9	62.2	62.4	62.7	63.2	63.4	64.5
37.1	50.9	54.3	58.1	60.8	62.1	63.3	64.6	65.4	65.8	66.1	66.2	66.6	67.1	67.3	68.4
39.2	54.1	57.8	61.6	64.7	66.1	67.5	69.2	69.7	70.2	70.5	70.7	71.0	71.5	71.8	72.9
39.4	55.2	59.0	63.2	66.1	67.7	69.0	70.8	71.3	71.8	72.1	72.3	72.7	73.2	73.4	74.5
41.0	57.0	60.9	65.6	68.5	70.1	71.5	73.5	74.0	74.6	74.8	75.0	75.4	75.9	76.1	77.3
42.7	59.8	64.0	68.8	72.1	73.8	75.3	77.5	78.1	78.7	79.0	79.1	79.5	80.0	80.3	81.5
43.3	60.9	65.3	70.3	73.9	75.8	77.3	79.6	80.3	80.9	81.2	81.3	81.7	82.3	82.5	83.7
43.5	61.6	66.7	71.2	74.8	76.8	78.3	80.8	81.5	82.0	82.3	82.5	82.9	83.4	83.7	84.9
44.1	62.6	67.2	72.7	76.5	78.6	80.1	82.7	83.3	83.9	84.2	84.4	84.8	85.3	85.6	86.8
44.3	63.3	68.1	73.8	77.9	80.0	81.7	84.3	85.0	85.6	85.9	86.0	86.4	87.0	87.2	88.4
44.5	64.0	69.9	75.0	79.3	81.6	83.3	86.0	86.8	87.4	87.7	87.9	88.3	88.9	89.1	90.3
44.6	64.4	69.5	75.8	80.2	82.6	84.3	87.2	88.0	88.6	88.9	89.1	89.5	90.1	90.3	91.5
44.6	64.9	70.1	76.5	81.2	83.7	85.6	88.6	89.5	90.2	90.5	90.6	91.1	91.6	91.9	93.1
44.7	65.0	70.4	77.0	81.8	84.5	86.5	89.8	90.7	91.4	91.8	91.9	92.4	92.9	93.2	94.4
44.7	65.1	70.5	77.2	82.4	85.2	87.5	91.0	92.0	92.9	93.3	93.4	93.9	94.5	94.7	95.9
44.7	65.1	70.5	77.3	82.5	85.5	87.8	91.5	92.6	93.6	94.1	94.3	94.9	95.6	95.9	97.6
44.7	65.1	70.5	77.3	82.5	85.5	87.8	91.5	92.6	93.7	94.2	94.5	95.2	96.3	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7282



1  
2

GLOBAL CLIMATOLOGY BRANCH  
UNAFSTAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

17947 ROSCOMBE DOWN UK

73-67

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

000-1000

17.8	27.9	29.3	30.2	32.2	33.3	34.5	35.7	35.9	35.8	35.8	35.6	36.0	36.2	36.5	37.0
23.0	32.2	34.1	35.4	38.7	39.2	40.5	42.0	42.7	42.2	42.2	42.6	42.9	43.1	43.7	
23.1	32.3	34.7	35.6	38.1	39.3	40.6	42.1	42.3	42.3	42.3	42.3	42.7	43.0	43.2	43.8
23.1	32.3	34.2	35.6	38.1	39.3	40.6	42.1	42.3	42.3	42.3	42.3	42.7	43.0	43.2	43.8
23.1	32.3	34.3	35.7	38.3	39.4	40.7	42.2	42.4	42.4	42.4	42.4	42.8	43.1	43.3	43.9
23.5	32.8	35.0	36.3	39.1	40.2	41.5	43.0	43.7	43.2	43.2	43.2	43.6	43.9	44.1	44.7
23.9	33.9	36.7	37.4	40.2	41.4	43.0	44.7	44.9	44.9	44.9	44.9	45.3	45.6	45.9	46.4
24.5	34.4	36.5	38.3	41.1	42.3	43.9	45.6	45.8	45.8	45.8	45.8	46.2	46.5	46.7	47.3
24.5	34.5	36.9	38.4	41.2	42.4	44.0	45.7	45.9	45.9	45.9	45.9	46.3	46.6	46.8	47.4
24.9	35.0	37.4	38.8	41.6	42.9	44.5	46.2	46.4	46.4	46.4	46.4	46.7	47.1	47.3	47.9
25.7	36.2	38.7	40.2	43.0	44.2	45.8	47.5	47.7	47.7	47.7	47.7	48.1	48.4	48.6	49.2
28.1	39.3	42.1	44.0	47.1	48.4	50.1	51.8	52.0	52.0	52.0	52.0	52.4	52.7	52.9	53.5
29.7	40.5	43.3	45.5	48.5	50.0	51.9	53.7	54.1	54.1	54.1	54.1	54.4	54.7	55.0	55.5
30.4	42.4	45.4	47.6	50.7	52.1	54.1	55.9	56.2	56.2	56.2	56.2	56.5	56.9	57.1	57.7
31.4	43.7	46.7	49.3	52.4	53.8	55.8	57.6	58.0	58.0	58.0	58.0	58.4	58.7	58.9	59.5
33.7	46.6	50.7	53.4	56.5	58.0	59.9	61.9	62.3	62.4	62.4	62.4	62.8	63.1	63.3	63.9
36.5	50.3	53.5	57.2	60.5	62.1	64.0	65.9	66.4	66.5	66.5	66.5	66.8	67.2	67.4	67.9
38.8	54.3	57.6	61.3	64.7	66.5	68.5	70.4	71.0	71.1	71.1	71.1	71.4	71.8	72.0	72.5
39.7	55.6	59.9	62.8	66.4	68.4	70.4	72.3	72.9	73.0	73.0	73.0	73.4	73.7	73.9	74.5
40.3	57.0	61.5	64.6	68.4	70.4	72.5	74.4	74.9	75.1	75.1	75.1	75.4	75.7	76.0	76.5
41.5	59.3	62.9	67.4	71.6	73.6	75.6	77.5	78.7	78.3	78.3	78.3	78.7	79.0	79.2	79.8
42.9	61.2	64.9	69.4	73.7	75.8	77.9	79.9	80.6	80.7	80.7	80.7	81.0	81.4	81.6	82.2
43.2	61.6	65.3	69.9	74.3	76.4	78.4	80.5	81.2	81.3	81.3	81.3	81.6	81.9	82.2	82.7
43.6	62.3	66.0	70.5	75.1	77.3	79.3	81.4	82.1	82.2	82.2	82.2	82.5	82.8	83.1	83.6
43.9	63.5	67.6	72.7	77.3	79.6	81.6	83.7	84.5	84.7	84.7	84.7	85.0	85.3	85.6	86.2
44.0	63.9	68.2	73.5	78.3	80.6	82.6	85.0	85.8	85.9	85.9	85.9	86.2	86.6	86.8	87.5
44.1	64.6	69.0	74.6	79.6	81.8	84.0	86.8	87.6	87.7	87.7	87.7	88.0	88.4	88.6	89.3
44.2	65.2	70.0	76.0	81.2	83.5	85.7	88.6	89.4	89.5	89.5	89.5	89.8	90.2	90.4	91.1
44.2	65.3	70.1	76.3	81.8	84.3	86.5	89.7	90.5	90.6	90.6	90.6	91.0	91.3	91.5	92.2
44.2	65.6	70.4	76.7	82.7	85.2	87.6	91.2	92.0	92.2	92.2	92.2	92.6	93.0	93.2	93.9
44.2	65.6	70.4	76.9	82.8	85.3	87.8	92.1	93.1	93.6	93.7	93.7	94.1	94.7	94.9	95.2
44.2	65.6	70.4	76.9	82.8	85.3	87.8	92.1	93.1	94.0	94.4	94.4	95.1	96.0	96.3	96.7

TOTAL NUMBER OF OBSERVATIONS 886



NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/NAAC

# CFILING VERSUS VISIBILITY

1947 LOSCOMBE DOWN UK

73-87

NOV

PERCENTAGE FREQUENCY OF DIFFERENCE  
 FROM HOURLY OBSERVATIONS

1700-1750

17.7	25.1	25.7	26.3	29.3	29.9	30.4	31.9	32.2	32.4	32.4	32.8	33.5	33.9	34.3
20.3	29.6	31.5	34.3	35.3	35.8	36.5	38.0	38.3	38.5	38.7	38.7	39.4	40.1	40.4
23.3	29.6	31.5	34.3	35.3	35.8	36.5	38.0	38.3	38.5	38.7	38.7	39.4	40.1	40.4
23.4	29.6	31.7	34.5	35.5	36.1	36.7	38.2	38.5	38.8	38.9	38.9	39.7	40.3	40.7
23.5	29.9	31.8	34.7	35.7	36.4	37.2	38.7	39.0	39.2	39.3	39.3	40.1	40.8	41.1
24.0	30.7	32.5	35.0	36.7	37.5	38.3	39.8	40.1	40.3	40.4	40.4	41.2	41.7	42.2
24.2	30.7	32.5	35.7	37.1	37.9	38.7	40.3	40.7	40.9	41.0	41.0	41.8	42.5	42.8
24.4	30.9	32.8	36.1	37.4	38.2	39.0	40.7	41.1	41.2	41.3	41.3	42.1	42.5	43.1
25.1	31.6	33.5	36.7	38.1	38.9	39.7	41.3	41.8	42.0	42.1	42.1	42.9	43.6	43.9
26.1	32.6	34.5	37.8	39.3	40.1	40.9	42.6	43.0	43.3	43.4	43.4	44.2	44.8	45.2
27.5	35.2	37.5	40.9	42.7	43.5	44.4	46.3	46.7	47.0	47.1	47.2	48.0	48.7	49.0
28.3	36.1	38.5	41.9	43.8	44.8	45.7	47.8	48.2	48.5	48.7	48.8	49.7	50.4	50.8
28.4	36.1	41.3	44.7	46.7	47.8	48.8	50.9	51.3	51.7	51.8	51.7	52.8	53.6	53.9
31.5	40.0	42.8	46.2	48.3	49.3	50.3	52.6	53.0	53.4	53.5	53.6	54.5	55.3	55.5
34.4	43.8	47.1	50.6	52.8	53.8	54.9	57.3	57.8	58.1	58.2	58.3	59.2	60.0	60.3
37.0	47.3	50.0	54.6	56.9	57.9	59.1	61.6	62.0	62.5	62.6	62.7	63.6	64.4	64.7
39.5	51.0	55.5	59.4	61.7	62.7	63.9	66.4	66.9	67.3	67.4	67.5	68.4	69.2	69.5
40.7	52.6	56.5	60.3	62.6	63.7	64.9	67.5	68.0	68.4	68.5	68.7	69.6	70.3	70.7
40.9	53.9	58.0	62.1	64.4	65.7	67.2	69.8	70.2	70.8	70.9	71.0	71.9	72.7	73.0
42.6	57.1	61.3	65.7	68.0	69.4	70.9	73.5	73.9	74.5	74.6	74.7	75.6	76.4	76.7
43.4	58.2	62.8	67.3	69.7	71.1	72.6	75.3	75.7	76.3	76.4	76.5	77.4	78.2	78.7
43.5	58.7	63.5	68.0	70.4	72.1	73.7	76.4	76.9	77.4	77.5	77.6	78.5	79.3	79.8
43.7	59.8	64.7	69.2	71.7	73.5	75.1	77.8	78.2	78.8	78.9	79.0	79.9	80.7	81.1
44.3	60.7	66.1	70.8	73.4	75.2	76.9	79.7	80.1	80.7	80.8	80.9	81.8	82.6	83.0
44.5	61.6	67.1	72.0	74.9	76.9	78.7	81.6	82.0	82.6	82.7	82.8	83.7	84.5	84.9
44.7	62.0	68.0	73.6	76.7	78.8	80.7	83.7	84.2	84.7	84.8	84.9	85.8	86.6	87.1
44.8	62.4	68.3	74.2	77.5	79.8	81.9	85.1	85.5	86.1	86.2	86.3	87.2	88.0	88.4
44.8	62.4	68.4	75.1	79.0	81.5	83.8	87.1	87.5	88.1	88.2	88.3	89.2	90.0	90.4
44.8	62.4	68.7	75.6	79.8	82.2	84.7	88.1	88.5	89.1	89.2	89.3	90.4	91.2	91.8
44.8	62.5	68.8	76.0	80.6	83.1	85.6	89.1	89.6	90.2	90.4	90.6	91.8	92.6	93.4
44.8	62.5	68.9	76.0	80.6	83.1	85.6	89.1	89.9	90.9	91.1	91.3	92.9	94.7	95.5

TOTAL NUMBER OF OBSERVATIONS 893



JOINT CLIMATE LOGISTICS BRANCH  
JCLAF/CLAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10477 WISCOMBE DOWN UP

73-67

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-2600

15.3	19.3	27.7	21.6	21.9	22.4	22.8	24.3	24.7	24.2	24.2	24.2	24.6	25.7	26.3	26.6
19.6	23.8	25.4	27.6	28.5	29.2	29.5	31.3	31.9	31.8	31.8	31.6	32.4	34.0	34.7	35.3
19.3	24.3	25.6	27.8	28.7	29.4	29.8	31.6	32.7	32.0	32.0	32.0	32.6	34.3	34.9	35.5
19.8	24.0	25.6	27.8	28.7	29.4	29.8	31.6	32.0	32.0	32.0	32.0	32.6	34.3	34.9	35.5
27.2	24.4	25.9	28.2	29.1	29.8	30.1	31.9	32.4	32.4	32.4	32.4	32.9	34.6	35.3	35.9
28.6	25.0	26.7	29.1	30.1	30.8	31.2	33.0	33.5	33.5	33.5	33.5	34.0	35.7	36.4	37.0
27.3	26.8	29.7	31.3	32.5	33.3	33.7	35.5	36.7	36.1	36.1	36.1	36.6	38.3	39.0	39.6
22.9	27.4	29.5	32.0	33.3	34.2	34.7	36.5	37.7	37.1	37.1	37.1	37.7	39.3	40.0	40.6
23.1	27.7	29.9	32.4	33.6	34.5	35.1	37.0	37.4	37.5	37.5	37.5	38.1	39.8	40.5	41.0
20.3	26.0	30.1	32.6	33.9	34.8	35.4	37.3	37.8	37.9	37.9	37.9	38.4	40.1	40.8	41.4
24.5	29.1	31.2	33.9	35.5	36.5	37.1	39.0	39.5	39.6	39.6	39.6	40.1	41.8	42.5	43.1
26.2	31.9	34.6	37.7	39.2	40.4	41.0	43.2	43.6	43.7	43.7	43.7	44.3	46.0	46.7	47.4
27.5	34.7	36.7	40.0	41.7	42.8	43.5	45.8	46.3	46.4	46.4	46.4	47.0	48.7	49.4	50.1
28.5	36.1	39.1	42.4	44.2	45.3	46.0	48.3	48.8	48.9	48.9	48.9	49.6	51.3	52.0	52.6
27.7	37.2	40.2	43.5	45.3	46.4	47.1	49.7	50.3	50.4	50.4	50.4	51.1	52.8	53.4	54.1
31.9	40.2	43.7	47.4	49.2	50.3	51.0	53.7	54.2	54.3	54.3	54.3	55.0	56.7	57.4	58.1
35.2	44.3	48.7	51.7	53.7	55.1	55.8	58.5	59.1	59.2	59.2	59.2	59.9	61.6	62.2	62.9
37.9	46.3	52.3	56.1	58.2	59.8	60.5	63.4	63.9	64.0	64.0	64.0	64.7	66.4	67.1	67.8
38.4	49.2	53.3	57.4	59.4	61.0	61.9	64.7	65.3	65.4	65.4	65.4	66.1	67.8	68.4	69.1
39.7	50.7	55.1	59.6	62.0	63.7	64.8	67.8	68.3	68.4	68.4	68.4	69.1	70.8	71.5	72.2
41.7	54.0	58.7	63.6	66.0	67.6	68.9	71.8	72.4	72.6	72.6	72.6	73.3	75.0	75.6	76.3
42.3	55.6	60.5	65.7	68.1	69.8	71.7	74.1	74.6	74.9	74.9	74.9	75.5	77.2	77.9	78.6
42.7	56.0	61.0	66.2	68.5	70.2	71.5	74.9	75.4	75.6	75.6	75.6	76.3	78.0	78.7	79.4
42.8	56.9	62.0	67.3	70.1	71.8	73.2	76.6	77.1	77.3	77.3	77.3	78.0	79.7	80.4	81.1
43.2	58.1	63.1	68.8	71.7	73.5	75.0	78.4	78.9	79.1	79.1	79.1	79.8	81.5	82.2	82.9
43.3	58.7	63.8	69.6	72.5	74.4	75.9	79.3	79.8	80.0	80.2	80.2	80.8	82.5	83.2	83.9
43.5	59.5	64.8	70.7	73.8	75.9	77.3	80.8	81.4	81.6	81.7	81.7	82.4	84.1	84.8	85.5
43.5	60.0	65.8	72.3	75.8	77.9	79.7	83.4	84.0	84.3	84.4	84.4	85.1	86.8	87.5	88.2
43.5	60.4	66.4	73.5	77.6	79.7	81.7	85.7	86.2	86.6	86.7	86.7	87.4	89.1	89.7	90.4
43.5	60.4	66.4	73.5	77.8	80.3	82.3	86.4	87.3	87.8	87.9	87.9	88.6	90.3	91.0	91.7
43.5	60.4	66.4	73.5	77.9	80.7	83.0	87.1	88.5	89.4	89.5	89.5	90.4	92.2	92.9	93.6
43.5	60.4	66.4	73.5	77.9	80.8	83.1	87.3	88.6	90.1	90.3	90.3	91.8	94.7	95.5	96.0

TOTAL NUMBER OF OBSERVATIONS 687



CLERICAL CLIMATOLOGY BRANCH  
 USAFSTAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-47 DOB COMBE DOWN UK

73-47

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

900-1100

15.8	19.8	27.4	21.4	22.5	23.1	23.7	24.1	24.2	24.5	24.5	24.5	24.6	25.0	25.5	25.6
22.9	29.6	30.4	31.8	33.1	34.5	35.5	36.1	36.4	36.6	36.6	36.6	36.9	37.5	37.9	38.0
22.9	29.6	30.4	31.8	33.1	34.5	35.5	36.1	36.4	36.6	36.6	36.6	36.9	37.5	37.9	38.0
22.9	29.6	30.4	31.8	33.1	34.5	35.5	36.1	36.4	36.6	36.6	36.6	36.9	37.5	37.9	38.0
23.2	30.3	31.2	32.7	34.0	35.4	36.4	37.0	37.3	37.5	37.5	37.5	37.8	38.4	38.8	38.9
24.5	31.6	32.5	34.5	35.8	37.1	38.2	38.9	39.3	39.5	39.5	39.5	39.8	40.4	40.9	41.0
26.7	33.6	34.5	36.4	37.7	39.1	40.1	41.0	41.3	41.5	41.5	41.5	41.9	42.4	42.9	43.0
26.5	34.1	35.1	37.0	38.4	39.7	40.7	41.8	42.1	42.3	42.3	42.3	42.6	43.2	43.7	43.8
26.8	34.8	35.8	37.7	39.1	40.4	41.5	42.5	42.9	43.1	43.1	43.1	43.4	44.0	44.4	44.5
27.0	35.1	36.3	38.2	39.5	40.9	42.0	43.1	43.4	43.8	43.9	43.8	44.1	44.7	45.1	45.2
28.2	36.8	38.5	40.0	41.3	42.6	43.9	45.0	45.3	45.7	45.7	45.7	46.0	46.6	47.0	47.1
29.6	39.4	41.9	42.9	44.2	45.6	46.8	47.9	48.3	48.6	48.6	48.6	48.9	49.6	50.1	50.2
30.9	41.3	42.9	45.1	46.6	48.0	49.3	50.4	50.7	51.1	51.1	51.1	51.4	52.2	52.6	52.7
32.2	43.7	45.3	47.7	49.3	50.8	52.1	53.2	53.5	53.9	53.9	53.9	54.2	55.0	55.4	55.6
33.7	45.2	46.9	49.3	50.8	52.4	53.6	54.8	55.1	55.4	55.4	55.4	55.8	56.6	57.0	57.1
36.3	48.3	49.9	52.5	54.1	55.9	57.1	58.2	58.6	58.9	58.9	58.9	59.3	60.0	60.5	60.6
38.5	51.5	53.3	56.0	57.9	59.8	61.1	62.2	62.5	62.9	62.9	62.9	63.2	64.0	64.4	64.5
41.0	54.7	56.6	59.4	61.7	63.6	65.0	66.1	66.6	66.9	66.9	66.9	67.2	68.0	68.5	68.6
42.1	56.0	57.9	60.9	63.4	65.3	66.7	67.8	68.2	68.6	68.6	68.6	68.9	69.7	70.1	70.3
43.7	58.2	60.5	63.5	66.4	68.4	69.8	70.9	71.4	71.7	71.7	71.7	72.1	72.8	73.3	73.4
46.1	61.7	64.5	67.7	71.0	73.0	74.4	75.5	76.0	76.3	76.3	76.3	76.7	77.4	77.9	78.0
46.8	62.7	65.5	68.7	72.1	74.0	75.4	76.5	77.0	77.3	77.3	77.3	77.7	78.5	78.9	79.0
47.3	63.6	66.4	69.7	73.1	75.1	76.5	77.9	78.5	78.8	78.8	78.8	79.1	79.9	80.4	80.5
47.8	65.0	67.9	71.5	75.0	77.1	78.6	80.0	80.6	80.9	80.9	80.9	81.3	82.0	82.5	82.6
48.5	66.3	69.8	73.5	77.1	79.2	80.7	82.4	82.9	83.3	83.3	83.3	83.6	84.4	84.8	85.0
48.8	67.8	71.4	75.5	79.3	81.6	83.1	84.7	85.4	85.7	85.7	85.7	86.1	86.9	87.3	87.5
48.8	68.2	71.9	76.2	80.1	82.4	84.0	85.9	86.5	86.9	86.9	86.9	87.2	88.0	88.4	88.7
48.9	68.5	72.3	76.7	81.1	83.6	85.2	87.1	87.8	88.2	88.2	88.2	88.7	89.5	89.9	90.1
48.9	68.6	72.5	77.1	81.7	84.3	86.0	88.0	88.7	89.1	89.1	89.1	89.6	90.3	90.8	91.0
48.9	68.6	72.5	77.3	82.3	85.2	87.0	89.3	90.3	91.0	91.1	91.1	91.7	92.6	93.0	93.3
48.9	68.6	72.5	77.4	82.6	85.5	87.5	90.3	91.4	92.6	92.9	92.9	93.5	94.6	95.2	95.8
48.9	68.6	72.5	77.4	82.6	85.5	87.5	90.5	91.5	92.8	93.2	93.3	94.4	96.0	96.6	97.0

TOTAL NUMBER OF OBSERVATIONS 891



2  
GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1948 BOSCOMBE DOWN UK

73-62

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

16.9	22.2	22.5	22.8	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.3	23.5
28.1	33.8	34.1	34.8	35.7	35.9	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.4	36.4	36.5
28.4	34.1	34.4	35.1	36.3	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.7	36.7	36.9
28.4	34.2	34.5	35.2	36.1	36.4	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.8	36.9	37.0
29.7	34.8	35.1	35.8	36.7	36.9	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.4	37.4	37.6
30.1	35.9	36.4	37.1	38.0	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.6	38.6	38.9
32.5	38.6	39.2	39.9	40.8	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.6	41.6	41.9
32.8	39.3	40.3	40.8	41.7	42.2	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.7	42.7	43.1
33.3	39.9	40.5	41.4	42.3	43.1	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.6	43.6	44.0
33.5	40.2	40.9	41.7	42.6	43.4	43.5	43.8	43.8	43.9	43.9	43.9	43.9	44.1	44.1	44.4
35.7	41.9	42.6	43.4	44.3	45.1	45.2	45.5	45.5	45.6	45.6	45.6	45.6	45.8	45.8	46.1
37.5	45.7	46.6	47.4	48.3	49.2	49.3	49.8	49.8	49.9	49.9	49.9	49.9	50.2	50.2	50.6
39.7	48.3	49.2	50.1	51.0	51.9	52.0	52.5	52.5	52.6	52.6	52.6	52.6	53.0	53.0	53.3
42.1	51.4	52.4	53.5	54.4	55.3	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.8
42.5	51.8	52.4	54.1	55.0	55.9	56.1	56.6	56.6	56.7	56.7	56.7	56.7	57.0	57.0	57.4
45.9	55.2	56.4	57.7	58.6	59.5	59.8	60.2	60.2	60.3	60.3	60.3	60.3	60.7	60.7	61.0
48.8	58.6	59.8	61.3	62.2	63.1	63.3	63.9	63.9	64.3	64.3	64.3	64.3	64.7	64.7	64.9
53.5	64.7	65.8	67.4	68.5	69.5	69.8	70.6	70.6	70.7	70.7	70.7	70.7	71.0	71.0	71.4
54.2	66.0	67.2	68.8	69.9	70.9	71.1	71.9	71.9	72.0	72.0	72.0	72.0	72.4	72.4	72.7
55.7	68.3	69.4	71.0	72.3	73.3	73.5	74.3	74.3	74.4	74.4	74.4	74.4	74.8	74.8	75.1
58.5	73.2	74.9	76.8	78.2	79.2	79.4	80.2	80.2	80.3	80.3	80.3	80.3	80.7	80.8	81.1
59.4	75.1	76.9	79.2	81.0	82.0	82.3	83.1	83.1	83.2	83.2	83.2	83.2	83.5	83.6	84.0
60.1	76.1	78.1	80.6	82.5	83.5	83.8	84.7	84.7	84.8	84.8	84.8	84.8	85.1	85.2	85.6
60.6	77.3	79.2	82.0	84.2	85.2	85.5	86.4	86.4	86.5	86.5	86.5	86.5	86.8	86.9	87.3
61.1	78.5	80.8	83.8	86.6	87.6	87.8	89.0	89.0	89.1	89.1	89.1	89.1	89.4	89.5	89.9
61.5	79.3	81.7	84.7	87.8	89.0	89.3	90.7	90.7	90.8	90.8	90.8	90.8	91.1	91.3	91.6
61.6	80.0	82.4	85.3	88.6	90.0	90.3	92.2	92.2	92.3	92.3	92.3	92.3	92.6	92.7	93.1
61.6	80.5	83.0	85.9	89.7	91.1	91.5	93.5	93.5	93.6	93.6	93.6	93.6	94.0	94.1	94.4
61.6	80.5	83.0	86.0	89.8	91.3	91.8	94.0	94.1	94.2	94.2	94.2	94.2	94.5	94.7	95.0
61.6	80.5	83.1	86.1	90.2	91.8	92.8	95.2	95.7	96.3	96.3	96.3	96.3	96.6	96.7	97.2
61.6	80.5	83.1	86.1	90.3	91.9	93.0	95.3	95.8	96.9	96.9	97.0	97.2	97.6	97.7	98.3
61.6	80.5	83.1	86.1	90.3	91.9	93.0	95.3	95.8	96.9	96.9	97.0	97.3	98.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 897



CEILING CLIMATOLOGY BRANCH  
 CEILING  
 AND WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1400 100 COMB DOWN UK

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 BASED ON ALL OBSERVATIONS

1500-1700

18.5	21.6	22.5	22.9	23.4	23.6	23.7	23.8	23.9	24.0	24.2	24.2	24.2	24.2	24.2	24.4
27.8	32.7	33.7	34.5	34.9	35.2	35.3	35.5	35.8	36.0	36.2	36.2	36.2	36.2	36.2	36.4
27.7	32.8	33.8	34.6	35.1	35.3	35.4	35.6	36.0	36.1	36.3	36.3	36.3	36.3	36.3	36.5
28.1	33.0	34.0	34.8	35.3	35.5	35.6	35.8	36.2	36.3	36.5	36.5	36.5	36.5	36.5	36.7
28.4	33.8	34.9	35.7	36.3	36.5	36.6	36.9	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.8
29.2	34.3	35.5	36.5	37.1	37.3	37.4	37.6	38.0	38.1	38.3	38.3	38.3	38.3	38.3	38.5
31.5	36.9	38.1	39.2	39.9	40.2	40.3	40.6	40.9	41.0	41.2	41.2	41.2	41.2	41.2	41.5
32.1	38.0	39.3	40.7	41.3	41.7	41.8	42.0	42.4	42.5	42.7	42.7	42.7	42.7	42.7	42.9
32.6	38.4	39.8	41.1	41.8	42.2	42.4	42.6	42.9	43.0	43.3	43.3	43.3	43.3	43.3	43.5
32.7	38.5	39.9	41.2	41.9	42.4	42.5	42.7	43.0	43.1	43.4	43.4	43.4	43.4	43.4	43.6
33.1	39.2	40.5	42.1	42.9	43.4	43.5	43.7	44.0	44.2	44.4	44.4	44.4	44.4	44.4	44.6
35.2	42.2	43.7	45.5	46.4	47.0	47.1	47.3	47.6	47.8	48.0	48.0	48.0	48.0	48.0	48.2
37.8	45.6	47.1	49.1	50.2	50.8	50.9	51.2	51.6	51.7	51.9	51.9	51.9	51.9	51.9	52.1
40.0	48.2	49.7	51.6	53.1	53.7	53.8	54.2	54.5	54.6	54.8	54.8	54.8	54.8	54.8	55.1
41.2	49.9	51.5	53.7	55.1	55.6	55.7	56.1	56.4	56.5	56.7	56.7	56.7	56.7	56.7	57.0
44.8	54.0	55.8	58.3	59.7	60.2	60.3	60.7	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.6
47.3	57.8	59.6	62.1	63.6	64.2	64.4	64.9	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.8
50.7	62.7	64.5	67.6	69.3	70.1	70.3	71.2	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.2
52.4	64.6	66.6	69.9	71.7	72.5	72.7	73.6	74.2	74.4	74.6	74.6	74.6	74.6	74.6	74.8
54.6	68.0	70.1	73.5	75.5	76.4	76.6	77.5	78.1	78.3	78.5	78.5	78.5	78.5	78.5	78.8
56.3	71.5	73.7	77.5	79.6	80.7	80.9	81.9	82.6	82.8	83.0	83.0	83.0	83.0	83.0	83.3
57.1	73.3	75.8	80.2	82.6	83.8	84.0	85.2	85.8	86.1	86.3	86.3	86.3	86.3	86.3	86.5
57.2	73.7	76.5	81.0	83.5	84.8	85.1	86.2	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.5
57.3	74.7	77.6	82.6	85.2	86.5	86.7	88.4	89.1	89.3	89.6	89.6	89.6	89.6	89.6	89.8
57.5	75.4	78.7	83.7	86.5	88.1	88.4	90.2	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.6
58.0	76.0	79.6	85.1	88.0	90.0	90.3	92.1	92.9	93.1	93.4	93.4	93.4	93.4	93.4	93.6
58.0	76.2	80.0	85.5	88.8	90.9	91.2	93.3	94.0	94.3	94.5	94.5	94.5	94.5	94.5	94.7
58.0	76.6	80.4	86.0	89.4	91.9	92.2	94.3	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.8
58.0	76.6	80.4	86.2	89.9	92.4	92.7	95.1	96.0	96.2	96.4	96.4	96.4	96.4	96.5	96.7
58.0	76.6	80.6	86.3	90.0	92.6	93.0	95.7	96.6	96.9	97.1	97.1	97.1	97.1	97.2	97.4
58.0	76.6	80.6	86.3	90.1	92.7	93.1	96.0	97.0	97.3	97.5	97.5	97.5	97.5	98.0	98.3
58.0	76.6	80.6	86.3	90.1	92.7	93.1	96.0	97.0	97.4	97.6	97.6	97.6	97.6	98.4	98.0

TOTAL NUMBER OF OBSERVATIONS 890



1  
2

GLOBAL CLIMATOLOGY BRANCH  
CRAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION BOSCOMBE DOWN UK

73-32

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

17.8	24.5	25.2	26.7	27.0	27.7	27.8	28.0	28.5	28.7	28.8	28.8	28.9	28.9	28.9	29.1
25.8	35.8	37.1	38.8	39.6	40.3	40.4	40.7	41.3	41.5	41.6	41.6	41.7	41.7	41.7	42.0
25.8	35.8	37.1	38.8	39.6	40.3	40.4	40.7	41.3	41.5	41.6	41.6	41.7	41.7	41.7	42.0
25.8	35.8	37.0	38.8	39.6	40.3	40.4	40.7	41.3	41.5	41.6	41.6	41.7	41.7	41.7	42.0
26.5	36.7	38.7	39.9	40.7	41.4	41.5	41.8	42.4	42.6	42.7	42.7	42.9	42.9	42.9	43.1
27.1	37.2	38.8	41.1	42.1	42.9	43.0	43.3	43.9	44.1	44.2	44.2	44.3	44.3	44.3	44.5
28.5	38.9	40.8	43.1	44.1	44.9	45.7	45.3	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.6
28.8	39.7	41.6	43.9	44.9	45.7	45.8	46.1	46.7	46.9	47.0	47.0	47.1	47.1	47.1	47.4
28.9	39.9	41.6	44.1	45.1	45.9	46.7	46.3	46.9	47.1	47.2	47.2	47.4	47.4	47.4	47.6
29.2	40.3	42.2	44.7	45.7	46.5	46.6	46.9	47.5	47.7	47.8	47.8	47.9	47.9	47.9	48.1
30.1	41.2	43.1	45.7	46.7	47.5	47.6	47.9	48.5	48.7	48.8	48.8	48.9	48.9	48.9	49.2
31.2	43.1	45.2	48.4	49.6	50.4	50.5	50.8	51.4	51.6	51.7	51.7	51.9	51.9	51.9	52.1
32.6	45.1	47.4	50.6	51.9	52.6	52.8	53.1	53.7	53.9	54.3	54.0	54.1	54.1	54.1	54.3
33.7	46.8	49.2	52.4	53.7	54.4	54.6	54.9	55.5	55.7	55.8	55.8	55.9	55.9	55.9	56.1
34.9	48.1	50.6	54.3	55.6	56.4	56.5	56.8	57.4	57.6	57.7	57.7	57.8	57.8	57.8	58.0
37.8	51.5	54.4	58.7	60.2	61.0	61.1	61.4	62.0	62.2	62.3	62.3	62.4	62.4	62.4	62.7
39.9	54.9	57.8	62.3	63.9	64.7	64.8	65.2	65.8	66.3	66.1	66.1	66.3	66.3	66.3	66.5
41.8	58.7	61.9	66.7	68.4	69.2	69.4	70.1	70.8	71.0	71.1	71.1	71.2	71.2	71.2	71.4
43.1	63.7	64.2	69.2	71.0	71.8	72.0	72.7	73.3	73.6	73.7	73.7	73.8	73.8	73.8	74.0
44.3	63.4	67.2	72.3	74.1	75.0	75.3	75.9	76.7	76.9	77.1	77.1	77.2	77.2	77.2	77.5
45.7	66.5	70.6	75.8	78.0	79.0	79.2	80.0	80.8	81.1	81.2	81.2	81.3	81.3	81.3	81.7
46.2	68.6	72.8	78.3	80.8	81.8	82.0	82.8	83.6	83.9	84.2	84.0	84.1	84.1	84.1	84.5
46.5	69.1	73.3	78.9	81.6	82.6	82.9	83.9	84.7	85.0	85.2	85.2	85.3	85.3	85.3	85.6
46.7	69.7	74.4	80.0	82.8	83.8	84.1	85.2	86.1	86.4	86.5	86.5	86.6	86.6	86.6	87.0
47.1	70.4	75.6	81.3	84.8	85.9	86.5	87.7	88.6	89.0	89.1	89.1	89.2	89.2	89.2	89.5
47.2	71.0	76.2	82.2	85.7	86.8	87.4	89.0	90.1	90.4	90.6	90.6	90.7	90.7	90.7	91.0
47.4	71.4	76.7	82.8	86.3	87.6	88.2	89.9	91.1	91.5	91.6	91.6	91.7	91.7	91.7	92.0
47.6	71.8	77.2	83.4	86.8	88.3	88.9	90.9	92.2	92.6	92.7	92.7	92.8	92.8	92.8	93.1
47.6	72.0	77.5	84.1	87.7	89.4	90.2	92.6	93.9	94.4	94.5	94.5	94.6	94.6	94.6	94.9
47.6	72.1	77.6	84.4	88.0	89.8	90.8	93.4	94.7	95.3	95.5	95.5	95.6	95.6	95.6	96.1
47.6	72.1	77.6	84.4	88.0	89.8	91.1	93.8	95.3	96.0	96.3	96.3	96.4	96.4	96.4	97.1
47.6	72.1	77.6	84.4	88.0	89.8	91.2	93.9	95.4	96.2	96.5	96.5	96.6	96.6	96.7	97.2100.0

TOTAL NUMBER OF OBSERVATIONS 889



UNCLASSIFIED AND UNCONTROLLED INFORMATION ARE INDICATED BY THIS MARK



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION BOSCOMBE DOWN UK

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

18.2	26.2	28.8	30.9	32.3	33.5	34.2	35.4	35.7	36.1	36.2	36.2	36.4	36.4	36.6	37.1
21.9	31.8	34.9	38.1	40.2	41.4	42.1	43.3	43.5	44.0	44.1	44.1	44.3	44.3	44.4	45.0
21.7	31.8	34.9	38.1	40.2	41.4	42.1	43.3	43.5	44.0	44.1	44.1	44.3	44.3	44.4	45.0
21.9	31.8	34.9	38.1	40.2	41.4	42.1	43.3	43.5	44.0	44.1	44.1	44.3	44.3	44.4	45.0
21.9	31.8	34.9	38.1	40.2	41.4	42.1	43.3	43.5	44.0	44.1	44.1	44.3	44.3	44.4	45.0
22.8	33.0	36.0	39.4	41.4	42.6	43.3	44.5	44.8	45.2	45.3	45.3	45.6	45.6	45.7	46.2
23.8	34.3	37.5	40.8	43.0	44.2	44.9	46.1	46.3	46.8	46.9	46.9	47.1	47.1	47.2	47.8
24.4	35.1	38.2	41.6	43.9	45.1	45.8	47.0	47.2	47.7	47.8	47.8	48.0	48.1	48.3	48.8
24.6	35.3	38.5	41.8	44.1	45.3	46.0	47.2	47.5	47.9	48.0	48.0	48.3	48.4	48.5	49.0
24.9	35.5	38.7	42.1	44.3	45.6	46.2	47.5	47.7	48.1	48.3	48.3	48.5	48.6	48.7	49.3
25.6	37.3	40.2	43.6	45.9	47.1	47.9	49.2	49.4	49.8	49.9	49.9	50.2	50.3	50.4	51.0
27.4	40.0	43.5	48.3	50.6	52.0	52.8	54.0	54.2	54.7	54.8	54.8	55.0	55.1	55.2	55.8
28.3	41.6	45.1	50.1	52.5	53.9	54.7	56.0	56.2	56.7	56.8	56.8	57.0	57.1	57.3	57.8
29.6	43.1	46.6	51.7	54.3	55.7	56.5	57.8	58.0	58.5	58.6	58.6	58.8	58.9	59.1	59.6
30.6	44.3	47.9	53.2	55.8	57.1	57.9	59.3	59.5	60.0	60.1	60.1	60.3	60.4	60.5	61.1
33.4	49.0	52.9	58.5	61.3	62.7	63.4	64.8	65.0	65.5	65.6	65.6	65.8	65.9	66.0	66.7
35.3	52.3	55.8	61.4	64.2	65.6	66.4	67.7	67.9	68.4	68.5	68.5	68.7	68.8	69.0	69.6
37.3	55.5	59.5	65.2	68.2	69.7	70.6	72.1	72.3	72.8	72.9	72.9	73.1	73.2	73.3	74.0
37.8	56.2	60.4	66.4	69.3	70.9	71.8	73.2	73.5	74.0	74.1	74.1	74.4	74.5	74.6	75.3
38.7	57.7	62.1	68.2	71.1	72.8	73.7	75.3	75.5	76.0	76.2	76.2	76.5	76.6	76.7	77.4
40.3	60.3	64.7	71.4	74.6	76.3	77.2	78.7	79.0	79.5	79.6	79.6	80.0	80.1	80.2	80.9
41.4	62.5	66.9	73.9	77.2	79.2	80.1	81.8	82.0	82.6	82.7	82.7	83.0	83.1	83.2	83.9
41.5	63.0	67.5	74.7	78.0	80.0	80.9	82.7	82.9	83.3	83.6	83.6	83.9	84.0	84.1	84.8
41.8	64.0	68.4	75.7	79.3	81.3	82.2	84.0	84.3	84.8	84.9	84.9	85.3	85.4	85.6	86.3
42.1	64.8	69.4	76.9	80.9	82.9	83.8	85.7	86.1	86.6	86.7	86.7	87.1	87.2	87.4	88.1
42.2	65.5	70.2	78.0	82.0	84.1	85.0	87.2	87.6	88.2	88.3	88.3	88.6	88.8	89.0	89.7
42.3	66.0	71.0	78.9	82.9	85.0	85.9	88.4	89.0	89.5	89.7	89.7	90.0	90.1	90.3	91.0
42.7	67.2	72.2	80.1	84.1	86.3	87.3	90.0	90.8	91.5	91.6	91.6	91.9	92.1	92.4	93.0
42.7	67.6	72.8	81.1	85.3	87.5	88.6	91.7	92.7	93.4	93.5	93.5	93.8	94.0	94.3	94.9
42.7	67.6	72.8	81.1	85.3	87.5	88.9	92.0	93.0	93.8	93.9	93.9	94.3	94.5	94.7	95.4
42.7	67.6	72.8	81.1	85.4	87.7	89.1	92.5	93.6	94.6	94.7	94.7	95.1	95.3	95.5	96.2
42.7	67.6	72.8	81.1	85.4	87.7	89.1	92.5	93.6	94.9	95.3	95.3	95.6	96.1	96.7	97.0

TOTAL NUMBER OF OBSERVATIONS 889

DATA FROM 1973-1982. ALL PERCENTAGES ARE BASED ON 889 OBSERVATIONS.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

27460 BOSCOMBE DOWN UK

73-82

404

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

111

18.0	23.3	24.5	25.6	26.4	27.1	27.5	28.3	28.4	28.5	28.6	28.6	29.2	29.2	29.4	29.8
24.0	31.1	32.6	34.4	35.7	36.4	37.0	37.9	38.2	38.3	38.4	38.4	39.7	39.1	39.4	39.9
24.1	31.2	32.7	34.5	35.8	36.5	37.1	38.0	38.3	38.4	38.5	38.5	38.8	39.2	39.5	40.0
24.2	31.3	32.8	34.6	35.8	36.6	37.1	38.1	38.4	38.5	38.6	38.6	39.9	39.3	39.5	40.0
24.5	31.7	33.3	35.1	36.3	37.1	37.6	38.6	38.9	39.0	39.1	39.1	39.4	39.8	40.0	40.5
25.1	32.5	34.1	36.1	37.4	38.2	38.7	39.7	40.0	40.2	40.2	40.2	40.5	41.0	41.2	41.5
26.5	34.2	35.9	38.0	39.4	40.2	40.8	41.8	42.1	42.3	42.3	42.3	42.6	43.1	43.3	43.8
27.1	34.8	36.7	38.7	40.2	41.1	41.7	42.7	43.0	43.2	43.3	43.3	43.6	44.0	44.3	44.8
27.3	35.2	37.1	39.1	40.6	41.5	42.1	43.2	43.5	43.7	43.7	43.7	44.0	44.5	44.7	45.2
27.6	35.5	37.4	39.5	41.0	41.9	42.5	43.6	43.9	44.1	44.2	44.2	44.5	44.9	45.2	45.7
28.6	36.8	38.6	40.8	42.4	43.3	44.0	45.1	45.4	45.6	45.6	45.6	45.9	46.4	46.6	47.1
30.3	39.6	41.8	44.4	46.0	47.0	47.7	48.9	49.2	49.4	49.5	49.5	49.8	50.3	50.5	51.0
31.7	41.6	43.8	46.6	48.3	49.4	50.1	51.3	51.7	51.9	51.9	52.0	52.3	52.8	53.0	53.5
33.4	43.8	46.1	49.0	50.8	51.9	52.7	53.9	54.2	54.4	54.5	54.5	54.9	55.4	55.6	56.1
34.4	45.0	47.4	50.5	52.3	53.4	54.1	55.4	55.8	56.0	56.1	56.1	56.4	56.9	57.1	57.7
37.3	48.6	51.3	54.6	56.5	57.7	58.4	59.8	60.1	60.4	60.4	60.4	60.8	61.3	61.5	62.0
39.8	52.1	54.8	58.3	60.3	61.5	62.3	63.7	64.1	64.3	64.4	64.4	64.8	65.3	65.5	66.0
42.6	56.3	59.2	62.9	65.1	66.4	67.3	68.8	69.2	69.4	69.5	69.5	69.9	70.4	70.6	71.1
43.5	57.6	60.5	64.4	66.7	68.1	68.9	70.5	70.9	71.2	71.2	71.3	71.6	72.1	72.3	72.9
44.7	59.7	62.9	66.9	69.3	70.7	71.7	73.2	73.7	74.0	74.0	74.0	74.4	74.9	75.1	75.7
46.6	62.9	66.4	70.7	73.3	74.8	75.8	77.4	77.9	78.2	78.3	78.3	78.6	79.1	79.4	79.9
47.4	64.6	68.3	72.8	75.6	77.2	78.2	79.8	80.3	80.6	80.7	80.7	81.0	81.5	81.8	82.3
47.7	65.2	68.9	73.6	76.5	78.1	79.1	80.9	81.4	81.7	81.8	81.8	82.1	82.6	82.9	83.4
48.1	66.2	70.0	74.9	77.9	79.6	80.6	82.5	83.0	83.3	83.3	83.4	83.7	84.2	84.5	85.0
48.5	67.2	71.4	76.4	79.8	81.5	82.6	84.6	85.1	85.4	85.5	85.5	85.9	86.4	86.6	87.2
48.7	68.0	72.2	77.6	81.1	82.9	84.0	86.2	86.8	87.1	87.2	87.2	87.5	88.0	88.3	88.9
48.8	68.5	73.0	78.4	82.1	84.0	85.2	87.6	88.2	88.5	88.6	88.7	89.0	89.5	89.8	90.3
48.9	69.0	73.6	79.3	83.2	85.3	86.5	89.1	89.8	90.1	90.2	90.2	90.6	91.1	91.4	92.0
48.9	69.2	73.9	79.9	84.1	86.3	87.7	90.5	91.2	91.6	91.7	91.7	92.0	92.6	92.8	93.4
49.9	69.2	74.1	80.1	84.5	86.8	88.4	91.4	92.3	92.8	92.9	92.9	93.3	93.9	94.2	94.8
48.9	69.2	74.1	80.2	84.7	87.1	88.8	92.0	93.0	93.8	94.0	94.0	94.5	95.2	95.5	96.4
48.9	69.2	74.1	80.2	84.7	87.1	88.8	92.1	93.1	94.2	94.4	94.5	95.2	96.3	96.81	100.0

TOTAL NUMBER OF OBSERVATIONS 7132

SAFETY DATA SHEET: 14-00000-01. ALL INFORMATION CONTAINED HEREIN IS OBSOLETE.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

121400 BOSCOMBE DOWN UK

73-67

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

15.4	19.9	21.4	22.1	23.3	24.5	24.8	26.3	26.6	26.9	27.3	27.4	27.9	28.4	29.4	29.5
18.3	23.6	25.1	26.2	27.4	28.7	29.1	31.0	31.3	31.6	32.0	32.1	32.6	33.2	33.2	34.3
18.4	23.9	25.5	26.6	27.8	29.1	29.4	31.4	31.6	31.9	32.3	32.5	32.9	33.6	33.6	34.6
18.4	23.9	25.5	26.6	27.8	29.1	29.4	31.4	31.6	31.9	32.3	32.5	32.9	33.6	33.6	34.6
18.7	24.3	25.8	26.9	28.1	29.4	29.7	31.7	32.0	32.3	32.8	32.9	33.3	34.0	34.0	35.1
19.2	25.5	27.0	28.1	29.3	30.6	30.9	32.9	33.2	33.6	34.0	34.1	34.5	35.2	35.2	36.3
20.1	26.6	28.1	29.2	30.4	31.7	32.0	34.0	34.3	34.6	35.1	35.2	35.6	36.4	36.4	37.5
20.4	26.9	28.4	29.5	30.7	32.1	32.5	34.4	34.8	35.1	35.5	35.6	36.1	36.8	36.8	37.9
20.5	27.1	28.7	29.8	31.0	32.5	32.8	34.8	35.2	35.5	36.0	36.1	36.5	37.4	37.4	38.6
20.8	27.7	29.3	30.4	31.6	33.0	33.7	35.6	36.1	36.4	36.8	36.9	37.4	38.4	38.4	39.6
21.2	28.2	29.8	31.0	32.3	33.8	34.5	36.5	36.9	37.3	37.7	37.8	38.3	39.2	39.2	40.4
22.1	29.8	31.6	32.9	34.3	35.8	36.8	38.8	39.2	39.6	40.0	40.1	40.5	41.5	41.5	42.7
22.7	31.1	33.1	34.4	35.8	37.5	38.5	40.5	41.1	41.4	41.9	42.0	42.4	43.5	43.6	44.9
24.3	33.6	35.7	37.2	38.6	40.2	41.3	43.4	43.9	44.3	44.7	44.8	45.2	46.3	46.4	47.8
25.1	35.1	37.4	39.0	40.4	42.1	43.2	45.4	45.9	46.2	46.7	46.8	47.2	48.3	48.4	49.7
27.8	38.9	41.5	43.6	45.1	47.1	48.2	50.7	51.3	51.6	52.0	52.1	52.6	53.7	53.8	55.1
28.5	43.1	43.5	45.5	47.3	49.5	50.7	53.6	54.3	54.8	55.2	55.3	55.7	56.8	56.9	58.3
30.6	43.6	46.7	49.4	51.6	53.8	55.0	58.3	59.2	59.7	60.1	60.2	60.7	61.9	62.0	63.4
31.5	45.5	48.6	51.7	54.0	56.2	57.4	60.7	61.6	62.1	62.5	62.6	63.1	64.3	64.4	65.9
32.8	48.7	52.7	55.7	58.1	60.4	61.6	65.2	66.3	66.9	67.3	67.4	67.9	69.1	69.2	70.7
34.3	51.1	55.2	58.6	61.1	63.7	64.9	68.7	69.8	70.5	70.9	71.0	71.6	72.8	72.9	74.4
35.4	53.1	57.4	61.0	63.6	66.3	67.7	71.6	72.7	73.4	73.9	74.0	74.5	75.7	75.8	77.4
35.5	54.0	58.4	62.2	64.8	67.7	69.1	73.0	74.1	74.9	75.3	75.4	76.0	77.2	77.3	78.8
36.0	55.1	59.8	63.6	66.2	69.1	70.5	74.5	75.6	76.5	76.9	77.0	77.6	78.8	78.9	80.4
36.5	56.9	62.1	65.9	68.9	71.7	73.1	77.2	78.3	79.1	79.6	79.7	80.2	81.4	81.5	83.1
36.9	58.3	63.6	67.5	70.6	73.7	75.3	79.3	80.4	81.3	81.7	81.9	82.4	83.6	83.7	85.2
37.4	59.2	64.7	68.9	72.2	75.3	77.0	81.1	82.2	83.1	83.5	83.6	84.2	85.4	85.5	87.0
37.6	59.9	65.5	70.6	74.2	77.4	79.1	83.2	84.3	85.2	85.7	85.8	86.3	87.5	87.7	89.2
37.6	60.4	66.1	71.7	75.4	78.8	80.7	85.0	86.1	87.1	87.7	87.8	88.3	89.5	89.6	91.1
37.6	60.4	66.1	72.0	76.7	80.3	82.6	87.5	88.6	89.7	90.4	90.5	91.1	92.5	92.6	94.1
37.6	60.7	66.3	72.2	76.9	80.5	83.1	88.3	90.3	91.5	92.5	92.7	93.7	95.3	95.5	97.4
37.6	60.7	66.3	72.2	76.9	80.5	83.1	88.5	90.5	91.7	92.7	93.0	94.1	96.4	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 915



GENERAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7746 BOZCOMBE DOWN JK

73-32

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

13.9	17.4	19.1	20.1	20.9	21.3	21.7	23.5	24.2	24.3	24.6	24.7	24.9	25.1	25.3	26.9
16.4	20.2	22.2	23.5	24.2	24.8	25.4	27.4	28.2	28.4	28.7	28.8	29.0	29.4	29.6	31.2
16.5	20.3	22.3	23.6	24.5	25.1	25.8	27.7	28.5	28.7	29.0	29.1	29.4	29.7	29.9	31.6
16.6	20.4	22.4	23.7	24.6	25.2	25.9	27.8	28.6	28.8	29.1	29.3	29.5	29.8	30.0	31.7
16.7	20.5	22.5	23.8	24.7	25.3	26.0	27.9	28.7	28.9	29.3	29.4	29.6	29.9	30.1	31.8
17.0	20.9	22.8	24.2	25.1	25.8	26.4	28.5	29.3	29.5	29.8	29.9	30.1	30.5	30.7	32.3
17.7	22.1	24.0	25.4	26.3	27.0	27.6	29.7	30.5	30.7	31.0	31.1	31.3	31.7	31.9	33.5
18.1	22.5	24.5	26.0	27.0	27.6	28.3	30.3	31.1	31.3	31.7	31.8	32.0	32.3	32.5	34.2
18.2	22.6	24.6	26.1	27.1	27.7	28.4	30.5	31.2	31.4	31.8	31.9	32.1	32.4	32.6	34.3
18.6	22.9	24.9	26.4	27.4	28.1	28.7	30.9	31.7	31.9	32.2	32.3	32.5	32.9	33.1	34.7
19.5	24.1	26.2	28.1	29.3	29.9	30.7	32.9	33.6	33.8	34.2	34.3	34.6	34.9	35.2	36.8
21.4	26.7	28.9	30.9	32.1	32.8	33.5	35.7	36.5	36.7	37.0	37.1	37.4	37.8	38.0	39.6
22.1	28.1	30.3	32.4	33.6	34.3	35.2	37.8	38.5	38.8	39.1	39.2	39.5	39.8	40.1	41.7
23.0	29.7	32.2	34.3	35.6	36.2	37.2	40.1	40.9	41.3	41.6	41.7	42.0	42.4	42.6	44.2
24.5	31.8	34.5	36.6	37.9	38.5	39.5	42.6	43.4	43.8	44.1	44.2	44.5	44.9	45.1	46.7
27.0	35.9	38.8	40.9	42.4	43.1	44.2	47.5	48.4	48.8	49.1	49.2	49.6	49.9	50.2	52.0
28.9	38.8	42.0	44.2	45.6	46.7	47.8	51.3	52.3	52.7	53.1	53.2	53.6	54.0	54.4	56.1
32.1	43.1	46.5	49.0	50.4	51.6	52.8	56.7	57.6	58.2	58.5	58.6	59.1	59.5	59.8	61.6
33.0	44.4	47.9	50.5	52.4	53.6	54.9	58.8	59.8	60.4	60.7	60.8	61.2	61.8	62.1	63.9
34.3	46.4	50.2	53.2	55.1	56.8	58.1	62.1	63.1	63.6	64.0	64.1	64.5	65.1	65.4	67.1
36.1	49.6	54.5	57.6	59.9	61.8	63.1	67.2	68.3	68.9	69.2	69.3	69.8	70.3	70.6	72.6
37.1	51.7	57.1	60.6	62.9	64.7	66.0	70.2	71.4	72.1	72.4	72.5	72.9	73.5	73.8	75.8
37.8	52.5	58.1	61.6	63.9	65.7	67.0	71.3	72.5	73.1	73.5	73.6	74.0	74.6	74.9	76.9
37.9	53.8	59.5	63.2	65.5	67.4	68.7	72.9	74.1	74.8	75.1	75.2	75.7	76.2	76.5	78.5
38.4	56.1	61.9	65.8	68.6	70.4	71.7	76.0	77.2	77.9	78.4	78.5	78.9	79.5	79.8	81.8
38.8	57.2	63.2	67.2	70.0	71.8	73.1	77.4	78.6	79.4	79.8	79.9	80.3	80.9	81.2	83.2
38.8	58.2	64.4	68.7	71.5	73.4	74.7	78.9	80.1	80.9	81.3	81.4	81.9	82.4	82.8	84.7
37.1	58.8	65.4	69.9	73.1	75.3	76.9	81.2	82.4	83.2	83.6	83.7	84.2	84.7	85.0	87.0
39.1	59.1	65.9	71.2	74.6	77.0	78.6	83.5	84.8	85.7	86.2	86.4	86.8	87.3	87.7	89.6
39.1	59.1	65.9	71.5	75.3	77.7	79.9	85.7	87.2	88.1	88.8	88.9	89.3	89.8	90.2	92.1
39.1	59.1	66.2	71.8	76.1	78.5	81.0	87.6	89.6	91.2	92.2	92.4	92.8	93.4	93.8	96.3
39.1	59.1	66.2	71.8	76.1	78.5	81.0	87.7	89.7	91.6	93.0	93.1	94.1	95.1	95.9	98.0

TOTAL NUMBER OF OBSERVATIONS

516



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

FORMER 104000000 DOWN 00

73-80

000

104000000 DOWN 00  
104000000 DOWN 00

104000000

17.3	15.4	16.4	17.9	18.5	19.0	19.2	19.9	20.7	20.2	20.4	20.8	20.8	21.2	21.4	22.7
16.4	19.7	21.3	22.4	23.4	24.3	24.8	25.5	26.7	25.9	26.1	26.4	26.4	26.9	27.1	28.4
16.4	19.7	21.3	22.4	23.5	24.5	25.0	25.8	26.2	26.2	26.4	26.9	26.9	27.3	27.5	28.9
16.4	19.7	21.3	22.5	23.6	24.6	25.1	25.9	26.3	26.4	26.7	27.1	27.1	27.5	27.8	29.1
16.6	21.1	21.9	23.1	24.2	25.2	25.3	26.7	27.1	27.2	27.4	27.9	27.9	28.3	28.5	29.9
17.5	20.9	22.6	23.8	24.9	26.0	26.6	27.4	27.9	28.0	28.2	28.6	28.6	29.2	29.4	30.7
17.9	21.4	23.4	24.6	25.7	26.9	27.4	28.3	28.7	28.9	29.1	29.5	29.5	30.1	30.3	31.7
18.0	21.9	23.8	25.0	26.1	27.4	28.0	28.9	29.3	29.4	29.6	30.1	30.1	30.6	30.8	32.2
18.7	21.9	23.8	25.0	26.1	27.4	28.0	28.9	29.3	29.4	29.6	30.1	30.1	30.6	30.8	32.2
19.0	21.9	23.8	25.0	26.1	27.4	28.0	28.9	29.3	29.4	29.6	30.1	30.1	30.6	30.8	32.2
19.3	23.3	25.5	26.7	27.9	29.2	29.7	30.8	31.3	31.4	31.5	32.0	32.2	32.8	33.1	34.5
21.4	26.0	28.5	30.1	31.3	32.6	33.1	34.2	34.6	34.8	35.1	35.4	35.6	36.2	36.5	37.9
22.7	27.0	29.5	31.1	32.3	33.7	34.2	35.4	35.8	36.1	36.2	36.6	36.8	37.4	37.7	39.1
22.7	28.4	31.3	33.1	34.3	35.7	36.3	37.5	37.9	38.0	38.3	38.7	38.9	39.5	39.8	41.2
23.6	29.5	32.5	34.3	35.6	37.0	37.6	38.9	39.3	39.5	39.7	40.1	40.3	40.9	41.2	42.6
27.8	34.9	38.1	40.4	41.7	43.3	44.0	45.4	45.9	46.0	46.2	46.7	46.9	47.4	47.4	49.2
30.5	36.3	41.6	43.9	45.7	47.5	48.4	50.4	50.9	51.0	51.4	51.6	52.2	52.8	53.1	54.5
33.3	42.2	46.2	48.9	50.7	52.8	53.8	55.7	56.3	56.4	56.7	57.2	57.7	58.4	58.7	60.2
34.5	43.8	48.1	50.9	52.9	55.1	56.4	58.5	59.0	59.1	59.5	60.0	60.5	61.2	61.5	63.1
36.2	46.2	50.8	54.0	56.1	58.5	59.8	62.0	62.5	62.6	63.0	63.5	64.0	64.7	65.0	66.6
37.5	49.1	53.8	57.4	59.9	62.4	63.7	66.3	66.9	67.0	67.4	67.9	68.4	69.1	69.4	70.9
39.3	52.2	57.0	60.8	63.6	66.2	67.5	70.2	70.7	70.8	71.1	71.7	72.2	72.9	73.2	74.8
39.8	53.2	58.7	61.9	64.8	67.5	68.9	71.5	72.0	72.1	72.5	73.0	73.6	74.2	74.5	76.1
40.3	54.5	59.3	63.8	66.9	69.7	71.0	73.7	74.2	74.3	74.6	75.2	75.7	76.4	76.7	78.3
40.5	55.7	60.8	66.0	69.4	72.2	73.6	76.3	76.9	77.0	77.4	77.9	78.5	79.1	79.5	81.0
41.1	57.3	62.8	68.5	72.0	75.0	76.3	79.3	80.0	80.1	80.4	81.0	81.6	82.3	82.6	84.2
41.1	57.9	63.7	69.6	73.3	76.3	77.6	80.7	81.3	81.4	81.7	82.3	83.0	83.6	83.9	85.5
41.2	58.5	64.3	70.6	74.4	77.5	78.8	82.1	82.7	83.0	83.4	83.9	84.6	85.2	85.6	87.1
41.3	58.8	65.7	71.8	76.2	79.3	81.0	84.7	85.4	85.7	86.1	86.7	87.3	88.0	88.3	89.8
41.3	59.0	65.2	72.2	76.9	80.1	82.0	86.1	86.8	87.2	87.7	88.3	89.0	89.6	89.9	91.5
41.3	59.0	65.2	72.3	77.7	81.3	83.3	88.0	88.9	90.2	91.4	92.0	93.0	94.2	94.5	97.3
41.3	59.0	65.2	72.5	77.8	81.4	83.4	88.2	89.1	90.5	91.7	92.3	93.6	95.6	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 915

104000000 DOWN 00



2  
CLIMATOCLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

THRU 00000000 DOWN ON

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

200-1100

13.7	16.3	17.7	19.7	20.8	21.3	21.5	21.9	22.1	22.1	22.1	22.1	22.2	22.7	22.7	23.6
18.4	22.5	23.4	26.8	28.0	29.7	29.2	29.6	29.9	29.9	29.9	29.9	30.1	31.1	31.2	32.3
18.8	23.2	24.7	27.4	28.6	29.4	29.8	30.3	30.6	30.6	30.6	30.6	30.8	31.4	31.9	33.0
19.2	23.5	24.4	27.7	28.9	29.7	30.1	30.6	30.9	30.9	30.9	30.9	31.1	32.1	32.2	33.3
19.5	23.9	24.8	28.2	29.4	30.1	30.7	31.1	31.4	31.4	31.4	31.4	31.7	32.5	32.8	33.8
20.1	24.5	25.4	28.7	30.0	30.8	31.3	31.8	32.1	32.1	32.1	32.1	32.3	33.3	33.4	34.5
21.5	26.2	27.1	30.5	31.8	32.5	33.1	33.5	33.8	33.9	33.9	33.9	34.2	35.1	35.3	36.3
22.1	27.0	27.9	31.3	32.6	33.4	33.9	34.5	34.8	34.9	34.9	34.9	35.1	36.1	36.2	37.4
22.3	27.5	28.4	31.9	33.4	34.2	34.7	35.4	35.7	35.8	35.8	35.8	36.0	37.0	37.1	38.3
22.7	28.0	28.8	32.3	33.8	34.6	35.1	35.8	36.1	36.2	36.2	36.2	36.5	37.4	37.5	38.7
23.6	29.1	30.0	33.8	35.4	36.5	37.0	37.6	38.0	38.1	38.1	38.1	38.3	39.3	39.4	40.5
24.8	31.0	32.0	35.9	37.4	38.5	39.1	39.7	40.0	40.2	40.3	40.3	40.5	41.5	41.6	42.8
25.8	32.8	33.9	39.1	39.6	40.8	41.5	42.2	42.7	42.8	42.9	42.9	43.1	44.1	44.2	45.4
26.9	34.5	35.7	39.9	41.7	42.9	43.5	44.5	44.9	45.0	45.2	45.2	45.4	46.4	46.5	47.7
27.1	34.8	36.0	40.4	42.2	43.6	44.3	45.3	45.7	45.8	45.9	45.9	46.1	47.1	47.2	48.4
29.9	37.8	39.2	43.7	45.6	47.7	48.0	49.0	49.4	49.5	49.6	49.6	49.8	50.8	50.9	52.1
31.8	40.5	42.3	47.4	49.8	51.8	52.6	53.6	54.4	54.5	54.6	54.6	54.8	55.8	55.9	57.1
34.2	44.4	46.4	51.7	54.4	56.4	57.2	58.4	59.5	59.6	59.7	59.7	60.0	60.9	61.0	62.2
36.7	46.8	48.9	54.4	57.3	59.3	60.2	61.4	62.5	62.6	62.7	62.7	62.9	63.9	64.0	65.2
37.1	48.3	50.6	56.7	59.8	61.8	62.7	64.2	65.3	65.4	65.5	65.5	65.7	66.7	66.8	68.0
39.1	51.3	53.6	59.8	63.3	65.4	66.4	68.1	69.3	69.4	69.5	69.5	69.7	70.7	70.8	72.0
40.3	53.1	55.5	62.0	65.5	67.6	68.6	70.3	71.5	71.6	71.7	71.7	71.9	72.9	73.0	74.2
41.2	54.6	57.1	63.7	67.1	69.2	70.2	71.9	73.1	73.2	73.3	73.3	73.6	74.5	74.6	75.8
42.0	55.6	58.3	65.1	68.8	70.8	71.9	73.7	75.0	75.1	75.2	75.2	75.4	76.4	76.5	77.7
42.9	57.3	60.2	67.1	71.5	73.7	74.8	76.5	77.8	77.9	78.0	78.0	78.2	79.3	79.4	80.6
43.4	58.8	61.8	69.3	73.9	76.4	77.8	79.7	81.0	81.1	81.2	81.3	81.5	82.6	82.7	83.9
43.7	59.5	62.7	70.4	75.2	77.7	79.1	81.2	82.5	82.6	82.7	82.8	83.0	84.1	84.2	85.4
43.7	59.8	63.0	71.1	76.3	79.4	81.1	83.5	84.9	85.2	85.3	85.4	85.6	86.7	86.8	88.0
43.7	60.3	63.7	71.9	77.4	81.0	82.9	86.0	87.7	88.0	88.1	88.2	88.5	89.6	89.7	90.9
43.7	60.3	63.8	72.6	78.3	82.3	84.7	88.5	90.2	90.9	91.0	91.1	91.4	92.5	92.6	93.8
43.7	60.3	63.8	72.6	78.3	82.4	84.8	89.6	91.8	92.9	93.3	93.4	94.1	95.8	95.9	97.9
43.7	60.3	63.8	72.6	78.3	82.4	84.8	89.6	91.9	93.0	93.5	93.6	94.6	96.8	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 919



GLOBAL CLIMATOLOGY BRANCH  
CRAFSTAD  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7742 DOWNSIDE DOWN UP

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1700-1400

12.3	17.5	18.5	19.9	21.5	21.7	21.1	21.3	21.3	21.3	21.3	21.3	21.5	21.5	21.5	22.0
21.0	28.4	29.8	31.3	32.3	32.7	33.1	33.5	33.5	33.5	33.5	33.5	33.6	33.6	33.6	34.4
21.9	28.7	31.0	31.5	32.5	33.0	33.3	33.7	33.7	33.7	33.7	33.7	33.8	33.8	33.8	34.6
21.9	28.7	31.0	31.5	32.5	33.0	33.3	33.7	33.7	33.7	33.7	33.7	33.8	33.8	33.8	34.6
22.3	29.4	31.4	32.3	33.3	33.7	34.1	34.5	34.5	34.5	34.5	34.5	34.6	34.6	34.6	35.4
22.9	30.2	31.7	33.3	34.3	34.7	35.1	35.6	35.6	35.6	35.6	35.6	35.7	35.7	35.7	36.5
24.9	32.6	34.3	35.8	36.8	37.3	37.6	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	39.3
25.3	33.8	35.6	37.2	38.2	38.6	38.9	39.7	39.7	39.7	39.7	39.7	39.8	39.8	39.8	40.6
25.8	33.8	35.7	37.3	38.3	38.7	39.0	39.8	39.8	39.8	39.8	39.8	39.9	39.9	39.9	40.7
25.9	34.0	35.8	37.4	38.4	38.8	39.2	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0	40.8
26.3	34.7	36.6	38.3	39.3	39.9	40.3	41.0	41.0	41.0	41.0	41.0	41.2	41.2	41.2	41.9
27.8	36.5	38.4	40.2	41.3	42.1	42.6	43.6	43.6	43.7	43.7	43.9	44.0	44.1	44.1	44.9
29.1	38.5	40.5	42.6	43.9	44.9	45.4	46.5	46.5	46.6	46.7	46.9	47.0	47.1	47.1	47.9
31.7	41.4	43.4	45.6	47.0	48.0	48.6	49.7	49.7	49.8	49.9	50.1	50.2	50.3	50.3	51.1
32.5	42.3	44.2	46.6	48.0	49.0	49.6	50.7	50.7	50.8	50.9	51.1	51.2	51.3	51.3	52.1
36.1	46.2	48.3	51.0	52.8	53.8	54.3	55.4	55.4	55.5	55.6	55.9	56.0	56.1	56.1	56.9
37.7	48.2	51.4	53.2	55.2	56.2	56.9	58.0	58.1	58.3	58.4	58.6	58.7	58.9	58.9	59.6
40.7	51.3	53.7	56.9	59.3	60.5	61.3	62.6	62.7	62.9	63.1	63.3	63.4	63.5	63.5	64.3
42.7	54.1	56.4	59.6	62.1	63.3	64.0	65.4	65.5	65.7	65.8	66.0	66.2	66.3	66.3	67.0
45.1	57.6	60.3	63.8	66.7	68.4	69.1	70.5	70.6	70.8	70.9	71.1	71.2	71.3	71.3	72.1
47.6	61.8	64.9	68.9	71.9	73.6	74.3	75.7	75.8	76.0	76.1	76.3	76.4	76.5	76.5	77.3
49.3	63.3	66.5	70.7	73.9	75.7	76.4	77.8	77.9	78.1	78.2	78.4	78.5	78.7	78.7	79.4
48.5	63.9	67.3	71.6	75.0	76.8	77.5	78.9	79.1	79.3	79.4	79.6	79.8	79.9	79.9	80.6
50.1	65.7	69	73.6	77.3	79.1	79.9	81.2	81.4	81.6	81.7	82.0	82.1	82.2	82.2	83.0
50.3	66.9		72.3	79.2	81.0	82.0	83.5	83.8	84.1	84.2	84.4	84.5	84.6	84.6	85.4
51.1	67.6		76.3	80.9	83.0	84.3	85.8	86.3	86.6	86.7	86.9	87.1	87.2	87.2	87.9
51.1	68.4		77.8	82.7	85.2	86.5	88.3	88.7	89.0	89.2	89.4	89.5	89.6	89.6	90.4
51.1	68.6	72.9	78.2	83.2	85.7	87.2	89.2	89.6	89.9	90.0	90.3	90.4	90.5	90.5	91.3
51.1	69.0	73.6	79.2	84.7	87.7	89.4	91.5	91.9	92.3	92.4	92.6	92.7	92.8	92.8	93.6
51.1	69.0	73.6	79.3	85.3	88.5	90.6	93.4	93.9	94.5	94.8	95.1	95.4	95.5	95.5	96.2
51.1	69.2	73.8	79.5	85.5	88.9	91.2	94.1	94.8	95.8	96.5	96.9	97.1	97.3	97.3	98.6
51.1	69.2	73.8	79.5	85.5	88.9	91.2	94.1	94.8	96.0	96.8	97.2	97.7	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS

904



GLOBAL CLIMATOLOGY BRANCH  
OF AFCTAC  
AFS WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7431 WOSCOMBE DOWN UK

73-87

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM FOUR HOUR OBSERVATIONS

1500-1700

12.1	17.6	18.4	19.8	21.0	22.1	23.7	25.9	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.5
19.6	27.7	29.3	31.3	32.7	32.1	32.6	32.9	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.6
17.6	27.7	29.3	31.3	32.7	32.1	32.6	32.9	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.6
19.6	27.7	29.3	31.3	32.7	32.1	32.6	32.9	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.6
20.5	28.7	31.3	32.3	33.7	33.1	33.6	33.9	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.7
21.7	30.1	31.7	33.8	34.7	34.9	35.5	35.8	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.6
23.2	32.2	33.9	36.5	37.3	37.5	38.1	38.6	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.4
23.4	32.6	34.6	37.3	38.2	38.4	39.0	39.5	39.7	39.8	39.8	39.8	39.8	39.8	39.8	40.3
23.5	32.7	34.8	37.5	38.4	38.6	39.2	39.7	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.5
23.6	33.0	34.9	37.6	38.5	38.7	39.3	39.8	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.6
23.8	33.4	35.6	38.6	39.7	40.2	40.7	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.6	42.0
24.5	34.6	36.9	39.9	41.0	41.5	42.0	42.5	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.4
25.2	35.8	38.4	41.7	42.8	43.2	43.7	44.5	44.7	44.9	44.9	44.9	44.9	44.9	44.9	45.4
26.9	38.4	41.1	44.4	45.5	46.0	46.6	47.3	47.7	47.9	47.9	47.9	47.9	47.9	47.9	48.3
27.6	39.3	41.9	45.4	46.5	47.1	47.7	48.4	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.5
31.2	43.7	46.4	49.8	51.0	51.9	52.4	53.3	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.4
33.4	46.6	49.3	53.0	54.3	55.4	56.0	57.0	57.5	57.7	57.7	57.7	57.7	57.7	57.7	58.1
37.1	51.4	54.4	58.2	59.5	60.6	61.3	62.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.4
38.6	53.3	56.8	61.0	62.6	63.8	64.4	65.5	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.6
40.7	57.2	60.7	65.5	67.2	68.6	69.3	70.4	70.8	71.1	71.1	71.1	71.1	71.1	71.2	71.6
42.4	60.4	64.2	69.2	70.9	72.5	73.2	74.3	74.8	75.1	75.2	75.2	75.2	75.2	75.3	75.7
43.4	62.4	66.2	71.9	73.9	75.7	76.6	77.7	78.1	78.5	78.6	78.6	78.6	78.6	78.7	79.1
43.5	62.7	66.5	72.5	74.5	76.4	77.3	78.3	78.9	79.2	79.3	79.3	79.3	79.3	79.4	79.9
44.7	64.3	68.4	74.9	77.0	78.9	79.9	81.1	81.6	81.9	82.0	82.0	82.0	82.0	82.2	82.6
45.4	65.6	69.9	76.6	78.9	80.7	81.7	82.9	83.6	83.9	84.0	84.0	84.0	84.0	84.1	84.5
45.5	66.5	71.4	78.9	81.9	84.1	85.2	86.9	87.7	88.0	88.1	88.1	88.1	88.1	88.2	88.7
45.6	66.7	71.7	79.5	82.8	85.1	86.2	88.0	88.9	89.2	89.3	89.3	89.3	89.3	89.4	89.9
45.7	67.0	72.0	80.7	84.9	87.2	88.2	90.3	91.4	91.7	91.8	91.8	91.8	91.9	92.1	92.5
45.7	67.0	72.3	81.2	85.6	88.0	89.3	91.5	92.6	92.9	93.1	93.1	93.1	93.1	93.4	93.8
45.7	67.1	72.4	81.5	86.2	88.9	90.4	93.4	94.7	95.1	95.3	95.3	95.3	95.4	95.5	96.0
45.7	67.1	72.4	81.5	86.3	89.0	90.8	94.1	95.6	96.5	96.8	97.0	97.1	97.2	97.2	97.9
45.7	67.1	72.4	81.5	86.3	89.0	90.8	94.1	95.6	96.7	97.3	97.4	97.6	98.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 919



## 73-42

40-10864-1074 JK

740

THE UNIVERSITY OF CHICAGO PRESS

100-7500

17.3	18.2	19.7	21.7	22.9	23.0	23.3	24.5	24.7	24.9	25.1	25.1	25.5	25.9	26.7	26.9
17.3	24.3	25.7	29.2	31.4	31.0	32.6	33.3	33.1	33.3	33.4	33.4	33.9	34.2	34.4	34.5
17.7	24.5	26.1	29.4	31.6	31.2	32.2	33.2	33.7	33.5	33.6	33.6	34.2	34.4	34.6	34.7
17.7	24.5	26.1	29.4	30.6	31.2	32.2	33.2	33.3	33.5	33.6	33.6	34.2	34.4	34.6	34.7
17.7	25.1	26.7	29.9	31.1	32.0	33.1	34.1	34.2	34.4	34.5	34.5	35.0	35.2	35.5	35.6
18.1	26.1	27.9	31.0	32.2	33.1	34.2	35.1	35.2	35.5	35.6	35.6	36.1	36.3	36.6	36.7
20.3	27.4	29.3	32.6	34.1	35.1	36.2	37.2	37.7	37.5	37.6	37.6	38.2	38.5	38.7	38.9
21.2	27.8	29.6	33.2	34.5	35.5	36.7	37.6	37.7	38.0	38.1	38.1	38.6	38.9	39.4	39.4
21.7	27.9	29.7	33.3	34.6	35.7	36.8	37.7	37.9	38.1	38.2	38.2	38.7	39.2	39.4	39.7
21.4	28.0	29.8	33.4	34.7	35.8	37.0	38.0	38.1	38.3	38.4	38.4	38.9	39.4	39.6	39.7
21.9	28.6	30.5	34.1	35.4	36.6	37.6	38.9	39.7	39.3	39.4	39.4	39.9	40.3	40.6	40.7
21.5	28.4	31.2	35.1	36.4	37.6	39.2	40.2	40.3	40.6	40.7	40.7	41.2	41.6	41.9	42.0
21.9	29.8	31.7	36.1	37.4	38.7	40.2	41.3	41.4	41.5	41.5	41.9	42.4	42.9	43.1	43.2
22.9	31.0	33.3	37.9	39.5	40.8	42.3	43.5	43.6	43.9	44.1	44.1	44.7	45.1	45.3	45.4
23.3	32.1	34.5	39.3	40.9	42.2	43.3	45.1	45.2	45.7	45.9	45.9	46.4	46.9	47.1	47.2
23.4	35.7	38.5	43.6	45.4	47.0	48.6	49.8	50.0	50.5	50.8	50.8	51.3	51.8	52.1	52.2
28.0	38.7	41.6	47.0	48.9	50.8	52.5	53.9	54.1	54.7	54.9	54.9	55.4	55.6	56.2	56.3
29.3	41.3	44.6	50.5	52.8	54.9	56.6	58.4	58.6	59.1	59.3	59.3	59.9	60.4	60.6	60.7
30.3	43.2	46.6	52.7	55.1	57.4	59.2	61.1	61.2	61.7	61.9	61.9	62.5	63.0	63.2	63.3
32.1	47.2	51.2	57.4	59.9	62.1	64.2	65.9	66.2	66.7	66.9	66.9	67.5	68.0	68.2	68.3
33.9	51.8	55.0	62.0	64.6	66.9	69.1	70.8	71.1	71.7	71.9	71.9	72.5	73.0	73.2	73.3
35.2	53.3	57.7	64.9	67.5	69.8	72.0	73.8	74.1	74.6	74.8	74.8	75.4	75.9	76.1	76.2
36.1	53.3	58.2	65.4	68.0	70.4	72.6	74.3	74.6	75.2	75.4	75.4	75.9	76.5	76.7	76.8
36.4	54.7	59.2	66.8	69.4	71.8	74.0	75.7	76.1	76.7	76.9	76.9	77.4	78.0	78.2	78.3
36.3	56.1	61.0	69.2	71.8	74.2	76.7	78.7	79.2	79.7	80.2	80.0	80.6	81.1	81.3	81.5
37.2	57.5	62.5	71.9	74.6	77.0	79.6	81.9	82.3	82.9	83.2	83.2	83.7	84.3	84.5	84.6
37.3	58.9	63.1	73.9	75.9	78.7	81.3	83.8	84.3	84.9	85.2	85.2	85.8	86.3	86.6	86.7
37.6	59.3	64.5	75.2	78.3	81.9	84.8	87.6	88.2	89.0	89.4	89.4	89.9	90.5	90.7	90.8
37.6	59.8	65.5	76.6	79.9	83.9	87.2	90.3	91.2	92.0	92.3	92.3	92.8	93.4	93.6	93.7
37.6	59.8	65.7	76.9	80.5	84.6	88.3	91.9	93.1	94.0	94.4	94.4	94.9	95.4	95.7	95.8
37.6	57.8	65.7	76.9	80.5	84.6	88.4	92.2	93.6	94.9	95.4	95.4	95.9	96.1	97.1	97.5
37.6	56.8	65.7	76.9	80.5	84.6	88.4	92.2	93.6	95.1	95.7	95.7	96.3	97.4	97.8	98.0

TOTAL NUMBER OF OBSERVATIONS.....922



4 . COUNCIL OF CANADA

77-1-1

3. -

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 200 million to 400 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

1-2-375

14.4	19.7	21.5	22.6	23.5	25.1	25.5	27.7	27.7	28.1	28.1	28.1	28.3	29.7	30.7	30.4
14.6	23.6	26.7	27.3	28.7	30.2	30.8	33.2	33.5	33.8	33.8	33.8	34.1	34.7	34.9	36.1
15.6	23.6	26.7	27.3	28.7	30.2	30.8	33.2	33.5	33.8	33.8	33.8	34.1	34.7	34.9	36.1
16.6	23.6	26.7	27.3	28.7	30.2	30.8	33.2	33.5	33.8	33.8	33.8	34.1	34.7	34.9	36.1
17.2	24.7	27.2	28.5	29.9	31.3	32.0	34.4	34.7	35.7	35.7	35.7	35.2	35.9	36.1	37.3
17.4	25.2	27.7	29.1	30.5	31.9	32.5	34.9	35.2	35.6	35.6	35.6	35.8	36.6	36.8	38.0
18.2	26.5	29.7	30.5	31.9	33.3	33.9	36.3	36.7	37.5	37.5	37.5	37.2	38.0	38.2	39.4
18.2	26.6	29.1	30.7	32.1	33.5	34.2	36.6	36.9	37.2	37.2	37.2	37.4	38.2	38.4	39.6
18.2	26.7	29.7	30.8	32.2	33.6	34.3	36.7	37.7	37.3	37.3	37.3	37.6	38.4	38.6	39.8
18.2	26.7	29.7	30.8	32.3	33.8	34.5	36.9	37.7	37.5	37.5	37.5	37.9	38.6	38.8	40.0
18.4	26.9	29.4	31.1	32.6	34.3	34.7	37.3	37.6	38.0	38.0	38.0	38.3	39.0	39.3	40.5
19.6	29.1	31.4	33.6	35.2	36.9	37.5	39.9	40.3	40.7	40.7	40.7	41.0	41.8	42.0	43.2
20.6	30.3	33.0	34.9	36.7	38.3	38.9	41.5	42.7	42.3	42.3	42.3	42.6	43.4	43.6	44.8
21.6	31.0	34.3	36.9	38.6	40.2	40.9	43.7	44.1	44.5	44.5	44.5	44.8	45.7	45.9	47.2
22.2	33.3	36.7	38.6	40.6	42.2	43.0	46.0	46.4	46.7	46.7	46.7	47.1	47.9	48.2	49.5
24.4	36.8	40.1	42.5	44.8	46.6	47.8	51.1	51.5	51.8	51.8	51.8	52.2	53.0	53.3	54.6
26.0	39.6	43.3	45.9	48.4	50.8	52.1	55.5	56.0	56.3	56.3	56.3	56.6	57.5	57.7	59.0
28.4	43.0	47.4	50.4	53.3	55.7	57.0	61.1	61.6	61.9	61.9	61.9	62.3	63.1	63.3	64.6
29.8	45.1	50.1	53.6	56.0	58.5	60.0	64.4	65.1	65.4	65.4	65.4	65.7	66.6	66.8	68.1
30.9	46.5	51.8	55.6	58.6	61.2	62.8	67.5	68.3	68.7	68.8	68.8	69.1	70.0	70.2	71.5
32.5	50.4	56.1	60.2	63.1	65.8	67.5	72.2	73.1	73.4	73.5	73.5	73.9	74.7	74.9	76.2
34.1	52.3	57.9	62.1	65.1	68.1	69.6	74.6	75.6	75.9	76.0	76.0	76.4	77.2	77.4	78.7
34.5	53.1	59.3	63.6	66.7	69.7	71.6	76.4	77.3	77.7	77.8	77.8	78.1	79.0	79.2	80.5
34.5	54.0	60.3	64.6	68.1	71.1	73.1	77.8	78.7	79.1	79.3	79.3	79.6	80.5	80.7	82.0
35.4	55.6	62.3	66.7	70.1	73.2	75.2	79.9	81.0	81.3	81.6	81.6	81.9	82.9	83.1	84.4
35.9	57.2	64.0	68.6	72.1	75.5	77.4	82.5	83.7	84.1	84.3	84.3	84.6	85.6	85.8	87.2
36.1	58.3	65.0	70.2	73.6	77.0	79.0	84.2	85.4	85.7	86.0	86.0	86.3	87.3	87.5	88.9
36.2	58.8	66.1	71.4	74.9	78.3	80.4	86.0	87.2	87.5	88.0	88.0	88.3	89.4	89.6	91.0
36.2	59.2	66.7	72.5	76.5	79.8	82.0	88.1	89.4	89.8	90.2	90.2	90.6	91.6	91.9	93.3
36.2	59.2	66.8	72.7	77.2	81.0	83.3	90.0	91.5	92.0	92.4	92.4	92.7	93.8	94.0	95.4
36.2	59.2	66.8	72.8	77.4	81.2	83.7	90.9	92.7	93.5	94.3	94.3	94.7	95.9	96.1	97.6
36.2	59.2	66.8	72.8	77.4	81.2	83.7	90.9	92.8	93.6	94.4	94.5	95.1	96.4	96.9	98.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 922

**D**



CLIMATE CLIMATOLOGY BRANCH  
USAFCTAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1746

BOB COMBEE DOWN UN

73-87

DEC

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

13.4	17.7	19.0	20.5	21.3	21.9	22.3	23.3	23.5	23.6	23.8	23.8	24.7	24.4	24.5	25.4
18.1	23.8	25.4	27.3	28.3	29.1	29.6	30.8	31.1	31.2	31.3	31.4	31.6	32.7	32.2	33.1
18.2	23.9	25.6	27.4	28.5	29.3	29.9	31.5	31.3	31.5	31.5	31.7	31.9	32.3	32.4	33.4
18.3	24.0	25.6	27.5	28.6	29.4	29.9	31.1	31.4	31.5	31.7	31.8	32.0	32.4	32.5	33.5
18.7	24.6	26.2	28.1	29.2	30.0	30.6	31.8	32.1	32.3	32.4	32.5	32.7	33.1	33.2	34.7
19.3	25.4	27.1	29.0	30.1	31.0	31.6	32.8	33.1	33.2	33.4	33.5	33.7	34.1	34.7	35.2
20.4	26.9	28.6	30.6	31.8	32.7	33.3	34.5	34.8	35.0	35.1	35.2	35.4	35.9	36.7	37.1
20.0	27.4	29.2	31.3	32.4	33.3	33.9	35.2	35.5	35.7	35.8	35.9	36.1	36.6	36.7	37.7
20.9	27.5	29.4	31.5	32.6	33.6	34.1	35.4	35.7	35.9	36.1	36.1	36.4	36.9	37.7	38.7
21.0	27.7	29.6	31.7	32.9	33.8	34.4	35.7	36.7	36.2	36.4	36.4	36.7	37.2	37.3	38.3
21.6	28.5	30.4	32.7	34.0	35.0	35.7	37.0	37.4	37.5	37.7	37.8	38.7	38.5	39.7	39.7
22.7	30.4	32.4	34.8	36.1	37.2	38.0	39.3	39.7	39.9	40.0	40.1	40.4	40.9	41.1	42.1
23.7	31.7	33.8	36.4	37.8	38.9	39.7	41.2	41.6	41.8	42.7	42.1	42.3	42.9	43.7	44.7
25.0	33.6	35.9	38.6	40.1	41.3	42.1	43.7	44.1	44.3	44.5	44.6	44.9	45.4	45.6	46.6
25.3	34.7	37.1	40.0	41.5	42.7	43.6	45.3	45.7	45.9	46.1	46.2	46.5	47.1	47.2	48.2
28.8	38.7	41.4	44.4	46.1	47.5	48.4	50.3	50.7	51.0	51.1	51.3	51.5	52.1	52.3	53.3
30.6	41.3	44.2	47.5	49.4	51.1	52.1	54.2	54.7	55.0	55.2	55.3	55.6	56.2	56.3	57.4
33.3	45.0	48.2	51.9	54.0	55.8	56.9	59.2	59.8	60.1	60.3	60.4	60.7	61.3	61.5	62.6
34.0	47.5	50.4	54.3	56.5	58.4	59.6	61.9	62.6	62.9	63.1	63.2	63.5	64.1	64.3	65.4
36.2	49.8	53.5	57.7	60.2	62.2	63.4	66.0	66.6	67.0	67.2	67.3	67.6	68.2	68.4	69.5
37.7	53.7	57.1	61.7	64.3	66.5	67.8	70.4	71.1	71.5	71.7	71.8	72.2	72.8	73.0	74.1
39.2	55.2	59.4	64.2	67.0	69.3	70.6	73.3	74.0	74.4	74.6	74.7	75.1	75.7	75.9	77.0
39.5	56.0	60.4	65.3	68.1	70.4	71.8	74.4	75.2	75.6	75.8	75.9	76.3	76.9	77.1	78.2
40.2	57.2	61.7	67.0	69.9	72.2	73.6	76.3	77.1	77.5	77.7	77.9	78.2	78.8	79.7	80.1
40.8	58.8	63.6	69.1	72.3	74.6	76.1	78.9	79.7	80.1	80.4	80.5	80.9	81.5	81.7	82.8
41.7	60.0	65.1	71.1	74.5	77.0	78.6	81.6	82.5	82.9	83.2	83.3	83.7	84.3	84.5	85.6
41.4	60.7	66.0	72.2	75.9	78.6	80.2	83.3	84.2	84.6	84.9	85.0	85.4	86.7	86.2	87.3
41.5	61.3	66.7	73.4	77.4	80.3	82.1	85.4	86.3	86.9	87.2	87.3	87.7	88.3	88.5	89.6
41.5	61.7	67.3	74.5	78.8	81.9	83.9	87.6	88.6	89.2	89.5	89.7	90.0	90.7	90.9	92.0
41.5	61.7	67.4	74.8	79.6	82.9	85.2	89.6	90.7	91.4	91.8	92.0	92.4	93.1	93.2	94.4
41.5	61.8	67.5	75.0	79.8	83.3	85.8	90.6	92.2	93.3	94.0	94.2	94.8	95.8	95.9	97.6
41.5	61.8	67.5	75.0	79.9	83.3	85.9	90.7	92.3	93.5	94.4	94.6	95.4	96.8	97.11	100.0

TOTAL NUMBER OF OBSERVATIONS 7332



2  
1  
FEDERAL CLIMATOLOGY BRANCH  
WAFB/TAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1945 BOSCOMBE DOWN, OK

73-82

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

17.7	23.4	24.7	26.3	27.2	27.9	28.3	29.1	29.3	29.4	29.5	29.6	29.7	30.0	30.1	30.5
24.4	32.0	33.8	35.7	36.9	37.8	38.4	39.2	39.5	39.7	39.8	39.9	40.1	40.4	40.5	41.0
24.5	32.1	33.9	35.8	37.0	37.9	38.5	39.3	39.6	39.9	40.0	40.0	40.2	40.5	40.6	41.1
24.6	32.2	33.9	35.9	37.1	37.9	38.5	39.4	39.7	39.9	40.0	40.1	40.2	40.6	40.7	41.2
25.1	32.8	34.6	36.6	37.8	38.7	39.3	40.1	40.5	40.7	40.8	40.8	41.0	41.3	41.4	41.9
25.9	34.0	35.8	37.9	39.2	40.1	40.7	41.6	41.9	42.2	42.3	42.3	42.5	42.8	42.9	43.4
27.5	36.1	38.0	40.2	41.6	42.5	43.2	44.1	44.5	44.7	44.8	44.8	45.0	45.4	45.5	46.0
28.1	37.0	39.0	41.3	42.8	43.7	44.5	45.4	45.8	46.0	46.1	46.2	46.3	46.7	46.8	47.3
28.3	37.3	39.3	41.7	43.1	44.1	44.8	45.6	46.2	46.4	46.5	46.6	46.7	47.1	47.2	47.7
28.6	37.7	39.7	42.0	43.5	44.5	45.2	46.2	46.6	46.8	46.9	47.0	47.2	47.5	47.6	48.1
29.6	39.0	41.1	43.6	45.1	46.1	46.9	47.9	48.2	48.5	48.6	48.7	48.8	49.2	49.3	49.8
32.1	42.5	44.8	47.5	49.2	50.3	51.2	52.3	52.7	52.9	53.0	53.1	53.3	53.6	53.8	54.3
33.7	44.9	47.4	50.2	52.0	53.1	54.0	55.2	55.6	55.9	56.0	56.1	56.3	56.6	56.7	57.3
35.5	47.0	49.5	52.4	54.3	55.5	56.4	57.6	58.0	58.3	58.4	58.5	58.7	59.0	59.2	59.7
36.5	48.2	50.8	53.8	55.7	56.9	57.8	59.1	59.5	59.8	59.9	60.0	60.2	60.6	60.7	61.2
38.8	51.2	53.9	57.2	59.2	60.4	61.3	62.6	63.1	63.4	63.5	63.6	63.8	64.2	64.3	64.8
40.9	54.1	57.1	60.4	62.5	63.8	64.8	66.1	66.6	66.9	67.0	67.1	67.3	67.7	67.8	68.4
43.6	57.9	61.0	64.6	66.8	68.2	69.3	70.7	71.2	71.6	71.7	71.8	72.0	72.4	72.5	73.1
44.6	59.4	62.5	66.3	68.6	70.0	71.1	72.6	73.1	73.5	73.6	73.7	73.9	74.3	74.4	75.0
45.9	61.4	64.7	68.7	71.1	72.6	73.7	75.3	75.8	76.2	76.4	76.4	76.7	77.0	77.2	77.7
47.5	64.2	67.9	72.2	74.8	76.4	77.5	79.2	79.8	80.2	80.3	80.4	80.7	81.0	81.2	81.7
48.2	65.6	69.5	73.9	76.7	78.4	79.6	81.3	81.9	82.3	82.5	82.6	82.8	83.2	83.4	83.9
48.5	66.3	70.2	74.8	77.7	79.4	80.6	82.4	83.3	83.4	83.6	83.6	83.9	84.3	84.4	85.0
48.9	67.1	71.2	76.0	79.0	80.7	82.0	83.8	84.5	84.9	85.1	85.1	85.4	85.8	85.9	86.5
49.3	68.1	72.3	77.3	80.5	82.4	83.7	85.6	86.3	86.7	86.9	86.9	87.2	87.6	87.7	88.3
49.5	68.9	73.3	78.5	81.9	83.9	85.4	87.4	88.1	88.5	88.7	88.8	89.0	89.4	89.6	90.2
49.6	69.4	73.7	79.3	82.9	85.0	86.5	88.6	89.4	89.8	90.0	90.1	90.4	90.8	90.9	91.5
49.7	69.8	74.5	80.1	84.0	86.2	87.9	90.2	91.3	91.5	91.7	91.8	92.0	92.4	92.6	93.1
49.7	70.0	74.8	80.8	84.9	87.3	89.0	91.7	92.6	93.1	93.4	93.5	93.7	94.1	94.3	94.8
49.7	70.1	75.0	81.1	85.4	87.9	89.8	92.7	93.8	94.5	94.7	94.8	95.1	95.6	95.7	96.3
49.7	70.1	75.0	81.1	85.6	88.2	90.2	93.4	94.6	95.5	95.9	96.1	96.4	97.0	97.2	98.0
49.7	70.1	75.0	81.1	85.6	88.2	90.2	93.4	94.7	95.7	96.2	96.4	96.9	97.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 65203



## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10



## SKY COVER

72-36

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PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]



## SKY COVER

77-21

FEU

MONTH	HOURS LST.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NUMBER OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SE	5-10	11.5	5.7		4.9	3.4	2.6	2.2		5.5	16.5	45.5	7.2	632
	5-15	13.5	4.6		4.6	2.8	2.2	4.3		4.5	14.3	42.9	7.2	63
	5-20	5.3	6.7		4.7	3.5	2.2	2.5		4.1	21.0	33.2	7.8	677
	-11	3.1	6.8		3.1	3.7	1.6	4.2		6.6	28.1	43.4	8.7	675
	11-14	.2	3.2		3.5	4.2	3.4	4.2		8.7	32.2	32.3	8.2	624
	15-17	2.4	4.7		3.4	3.0	3.0	5.5		12.5	23.9	39.3	8.1	627
	18-2	5.4	8.2		5.1	5.5	3.2	3.9		6.4	17.8	44.2	7.4	631
	3-23	11.1	7.2		4.9	2.	3.8	3.1		5.7	17.1	45.1	7.7	636
TOTALS		7.7	5.7		4.3	3.4	2.2	3.8		5.5	22.0	44.4	7.6	665



## SKY COVER

77-8

492

[illegible]



## SKY COVER

73-6.

42

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]



## SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

STATION 44 DOSCOMB 6044 UP

77-81

000

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL HOURS
		0	1	2	3	4	5	6	7	8	9	10	
1-12	14.2	12.5			7.1	5.2	3.5	4.0		6.2	28.8	45.7	5.2
1-13	7.8	14.3			5.5	4.7	3.7	5.5		6.0	23.5	27.4	5.4
1-14	5.9	9.7			6.1	5.3	3.7	5.1		1.4	24.6	27.4	7.0
1-15	4.5	5.8			4.1	7.4	6.3	7.9		12.0	32.4	21.6	7.1
1-16	1.5	5.2			4.1	7.1	6.6	9.0		17.7	34.5	17.4	7.3
1-17	1.3	6.1			6.9	7.8	5.5	9.9		13.1	31.6	17.3	7.1
1-18	3.2	6.5			6.9	7.1	7.6	8.4		13.1	25.3	14.7	5.5
1-19	7.7	14.1			5.7	7.7	5.6	5.5		8.5	25.2	27.5	5.7
TOTALS		5.0	9.7		5.4	6.5	5.3	7.2		20.2	27.5	11.4	5.7

USAFETAC

FORM 995 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## SKY COVER

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[illegible]



## SKY COVER

7 → 6

10

MONTH	HOURS 15'	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS	TOTAL TENTHS	
		0	1	2	3	4	5	6	7	8	9			10
1-5	14.7	1.7			0.7	7.1	3.4	4.7		4.7	14.1	13.	7.7	7
6-10	16.5	11.9		7.6	4.7	4.7	4.6		5.7	17.	16.	5.8	5	
11-15	7.7	12.3		1.5	4.6	4.6	5.4		9.	25.7	13.5	5.5	37	
16-21	1.2	7.7		5.7	5.5	4.7	6.3		11.6	23.6	17.1	5.4	10	
22-24	1.5	5.4		5.3	9.	5.7	11.1		17.4	13.	15.	7.7	62	
25-27	4.4	5.5		5.1	7.6	6.5	11.5		14.2	14.6	15.5	5.9	55	
28-30	5.7	11.5		4.	7.3	5.7	7.5		12.7	27.1	15.5	5.4	42	
31-23	12.7	11.5		5.1	7.7	5.7	5.4		7.7	15.8	12.5	5.6	49	
TOTALS	11.5	5.7		7.6	6.9	5.	5.8		9.7	25.4	15.6	5.3	711	



1. NAME OF STATION  
2. ICAO  
3. WEATHER SERVICE ZONE

# SKY COVER

4. DATE  
5. NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

MONTH	HOURS LS*	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	
		0	1	2	3	4	5	6	7	8	9	10	11
1-12	1-12	10.5	11.6		7.7	5.2	4.1	3.5		5.1	10.1	19.7	10.7
1-12	1-12	13.6	7.2		5.4	5.6	3.6	4.0		5.1	18.7	19.4	10.2
1-12	1-12	3.7	10.4		5.6	6.1	4.7	5.4		7.7	15.3	15.6	7.0
1-12	1-12	2.1	7.2		5.7	6.7	6.7	9.1		10.2	11.9	11.7	7.1
1-12	1-12	2.2	5.5		3.8	5.5	6.6	1.9		14.1	11.1	17.2	7.3
1-12	1-12	1.8	5.2		4.6	4.3	5.3	1.9		15.2	12.9	17.2	7.3
1-12	1-12	3.6	10.1		7.2	6.4	4.6	8.4		17.1	17.6	17.7	10.7
1-12	1-12	17.1	11.5		5.6	6.9	4.1	5.2		7.5	18.7	15.2	10.1
TOTALS		7.4	9.0		5.3	5.2	5.0	7.4		9.6	15.0	13.7	10.2



1. NAME OF PLANTATION:   
 2. LOCATION:   
 3. DATE:

# SKY COVER

4. NAME OF OBSERVER:   
 5. DATE:

6. TIME:

7.

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN PERCENT	TOTAL PERCENT
		0	1	2	3	4	5	6	7	8	9	10		
1	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
3	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
4	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
6	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
8	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
9	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
11	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
12	1-2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
TOTALS		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

USAFETAC

1. PM 0.9.5. Q. A.

PERCENTAGE FREQUENCY OF OCCURRENCE



## SKY COVER

27-5

10

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL PERCENT	MEAN TENTHS	ST. DEV.
		0	1	2	3	4	5	6	7	8	9			
1-2	-1.2	4.2	1.0		5.2	7.6	2.0	4.0		5.2	17.6	35.2	1.0	4.5
	-3.5	1.0	0.0		1.0	4.2	5.0	4.0		5.7	18.5	22.4	1.7	5.2
	-7.0	4.0	1.0		5.2	5.2	5.0	4.2		5.1	27.6	35.6	7.4	5.6
	-1.1	1.0	1.0		0.7	4.0	3.0	1.7		5.6	13.7	31.2	7.5	4.7
1-4	0.6	7.0			2.4	5.7	5.4	6.7		0.7	1.3	22.0	7.5	4.6
	2.7	1.2	1.4		4.2	4.5	4.4	6.2		2.5	2.5	2.5	7.5	5.5
	5.1	5.5	7.3		2.7	4.5	4.5	6.6		7.7	22.4	34.2	7.1	4.4
	7.3	12.7	7.3		6.9	6.0	4.2	4.7		5.3	1.0	23.2	1.5	5.5
TOTALS		1.7	2.1		5.6	4.9	3.7	5.0		6.7	4.5	3.5	7.1	7.1



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
211 FATHER SERVICE/AC

# SKY COVER

40 10 COMPOUND UP  
STATION

77-P

010  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL PERCENTAGE	TOTAL HOURS
		0	1	2	3	4	5	6	7	8	9		
1-11	1-11	10.0	6.7		4.4	4.0	1.7	4.0		5.6	18.3	42.4	7.1
12-15	12-15	10.0	4.0		3.0	3.7	2.0	3.0		5.0	2.0	43.3	7.3
16-19	16-19	1.3	5.0		4.7	3.7	2.1	3.0		1.7	17.9	44.0	7.7
20-21	20-21	2.4	1.0		4.0	4.7	2.4	1.7		1.0	3.0	33.7	7.0
22-24	22-24	2.4	3.0		5.0	3.0	3.2	4.0		2.4	12.7	32.0	7.7
25-27	25-27	1.0	7.0		4.0	4.1	3.0	5.0		10.7	2.3	33.3	7.7
28-29	28-29	5.3	7.0		3.0	4.0	4.0	4.7		5.0	12.0	42.0	7.5
30-31	30-31	7.7	7.0		5.5	5.0	3.0	4.1		6.7	18.5	41.2	7.2
TOTALS		5.1	7.0		4.5	4.1	3.2	4.2		6.6	25.2	32.1	7.5

USAFETAC

FORM 0.9.5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



1. ALPHABETICALLY BY NAME  
 2. BY LOCATION  
 3. WEATHER SERVICE/FAO

# SKY COVER

4. STATION: DOUGLAS COUNTY, IA  
 STATION NAME

PERIOD: 1950-51

ALL MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL OCCURRENCE
		0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	4.0	6.7		5.2	4.0	7.4	4.0		6.6	23.7	41.3	7.0
FEB		7.0	5.7		4.7	3.4	2.0	3.0		6.0	2.0	44.4	7.6
MAR		7.7	7.0		4.5	5.0	3.0	5.5		6.0	22.5	15.4	7.2
APR		0.2	7.0		5.0	6.1	4.0	6.4		3.0	17.1	14.7	5.7
MAY		0.0	5.0		5.0	6.1	5.0	6.0		1.0	26.6	13.6	6.0
JUN		0.6	4.7		5.4	6.5	5.3	7.2		1.2	27.5	11.4	6.7
JUL		4.4	7.4		5.3	6.4	5.1	7.6		11.2	31.7	10.0	6.9
AUG		0.5	7.7		7.6	6.7	5.0	6.5		9.7	25.4	19.5	6.3
SEP		7.4	0.0		5.3	5.0	5.0	7.4		9.6	15.5	13.7	6.7
OCT		0.4	7.4		7.9	5.1	4.0	5.4		8.8	26.3	31.0	7.2
NOV		0.7	5.7		5.6	4.9	3.7	5.0		6.0	24.6	13.4	7.1
DEC		0.1	7.1		4.5	4.1	3.2	4.2		6.6	25.2	19.1	7.5
TOTALS		0.6	8.0		5.0	5.4	4.3	5.0		6.5	25.6	20.9	7.0



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to degree of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures DATA NOT AVAILABLE
- b. Daily minimum temperatures DATA NOT AVAILABLE
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature DATA NOT AVAILABLE
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for mean and standard deviation do not include measurements for months with no data.

Continued on Reverse



3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.



## PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-82

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STATION

STATION NAME

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

PAGE 1 1000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB WB	Dry Bulb	Wet Bulb	Dew Point														
55/ 51	.2	.9	.1															11	11	4	2														
57/ 49	.5	3.0	.2	.1														34	34	25	12														
45/ 47	1.5	4.2	1.7		.1													56	56	79	34														
45/ 45	2.5	6.8	.8															69	69	76	57														
44/ 43	1.8	4.8	.7	.1														65	65	98	57														
42/ 41	2.5	6.6	.8	.2														72	72	63	100														
41/ 39	1.9	5.2	.2															55	65	84	52														
39/ 37	2.4	6.0	.3	.1														78	78	73	74														
36/ 35	2.1	9.0	.6															102	102	93	61														
34/ 33	3.0	5.1	.2															73	73	99	115														
31/ 31	2.8	4.4	.5	.1														69	69	82	83														
30/ 29	2.3	2.8	.5															49	49	48	73														
28/ 27	3.3	2.1	.2															49	49	54	49														
26/ 25	.7	.8																13	13	23	32														
24/ 23	.1	.8																8	9	9	25														
22/ 21	.3	.3																6	6	10	14														
20/ 19	.5	.1																5	5	5	11														
18/ 17	.3	.1																4	4	4	9														
16/ 15																					7														
14/ 13																					1														
TOTAL	29.2	63.2	6.8	.7	.1													878	878		878														

Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	7186139	791119	90.1	8.027	878	$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	Total
Dry Bulb	1316376	33440	38.1	6.983	878		21.5					93
Wet Bulb	1242184	32476	37.0	6.833	878		24.9					93
Dew Point	1148200	31086	35.4	7.366	878		32.2					93



## PSYCHROMETRIC SUMMARY

73-82

JAN

542

STATION NAME

YEARS

[illegible]

PAGE 1 0300-0500

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
50/ 53				.3																													3	3		
50/ 51				.8																													9	9		2
50/ 49			.3	1.9	.2																												22	22	17	7
49/ 47		1.3	3.6	.5																													45	45	38	22
49/ 45		2.3	7.0	.5																													86	86	62	45
49/ 43		1.7	7.1	1.1	.2																												90	90	72	65
49/ 41		1.9	7.3	1.4																													94	94	75	117
49/ 39		2.5	5.3	.2																													68	68	72	61
39/ 37		3.1	4.9																														70	70	83	61
39/ 35		1.5	5.9	.3	.1																												59	59	70	60
39/ 33		5.3	6.1	.8																													105	105	102	98
39/ 31		1.5	5.1	.3																													62	62	93	77
39/ 29		2.3	3.3	.1																													50	50	58	85
39/ 27		4.2	2.0	.7																													51	61	50	66
39/ 25		1.9	.9																														25	25	42	42
39/ 23		.5	.7																														10	10	5	34
39/ 21		.1	.1																														2	2	8	9
39/ 19		.8																															7	7	7	11
39/ 17		.1	.3																														4	4	4	8
39/ 15		.1	.2																														3	3	3	5
39/ 13																																				3
39/ 11																																				2
39/ 9																																				1
TOTAL	37.7	62.6	6.3	.3																														885		885
																																		885		885



## PSYCHROMETRIC SUMMARY

JAG

YEARS

PAGE 1 0600-0800

[illegible]



## PSYCHROMETRIC SUMMARY

73-82

JAN

STATION

STATION NAME

YEARS

1998

PAGE 1 0900-1100

**Keywords:** child sexual abuse; disclosure; social support

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
54 / 53			.5		.1													5	5																
52 / 51			.5	.5														10	17	4	2														
50 / 49		.1	1.1	1.2		.1												23	23	10	5														
48 / 47		.7	4.2	2.2		.1												63	63	37	11														
46 / 45	1.6	7.4	1.2		.1													91	91	45	45														
44 / 43	1.1	7.8	2.2		.6													103	103	96	71														
42 / 41	3.1	7.8	1.5		.5													114	114	87	143														
40 / 39	1.6	4.5	.7															60	60	89	52														
38 / 37	2.6	5.6	.6		.2													79	79	75	56														
36 / 35	1.2	5.6	.7															54	64	77	49														
34 / 33	3.1	6.5	.5															89	89	91	86														
32 / 31	1.4	3.7	1.2															54	54	99	74														
30 / 29	1.1	2.2	.3															32	32	35	83														
28 / 27	3.2	2.0	.6															51	51	50	52														
26 / 25	1.2	.5	.1															14	14	23	24														
24 / 23	.9	.3																11	11	12	31														
22 / 21	.7	.1																7	7	9	14														
20 / 19	.3	.2																5	5	5	16														
18 / 17		.1																1	1	2	4														
16 / 15	.2	.1																3	3	3	4														
14 / 13		.1																1	1	1	3														
12 / 11																					2														
10 / 9																					1														
TOTAL	23.7	61.1	13.4	1.7														980	987	980	980														



## PSYCHROMETRIC SUMMARY

73-82

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STATION

STATION NAME

YEARS

PAGE 1 1270-1400

[illegible]



## PSYCHROMETRIC SUMMARY

337463 BOSCOMBE JOHN JK

73-82

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PAGE 1 1570-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
52/ 51	.2	1.0	.8	.1														19	19	2	2														
50/ 49	.3	1.8	1.4															31	31	19	9														
48/ 47	1.1	6.8	3.5	.3	.2													105	105	59	20														
46/ 45	1.0	8.5	3.4	.8														121	121	98	54														
44/ 43	2.4	7.1	4.0	.8														126	125	119	77														
42/ 41	1.1	7.0	4.4	.7	.1													118	118	91	141														
40/ 39	.1	4.1	1.5	.6														55	55	91	59														
38/ 37	1.9	6.7	2.5	.3														101	101	90	92														
36/ 35	.3	5.2	1.4	.1														62	62	85	70														
34/ 33	1.5	4.1	1.1															60	60	93	81														
32/ 31	.8	2.6	.6															35	35	71	76														
30/ 29	.5	1.5	.7															23	23	79	71														
28/ 27	.5	.7	.2															12	12	10	65														
26/ 25	.7	.6																11	11	18	49														
24/ 23		.2																2	2	5	13														
22/ 21																				2	6														
20/ 19	.1																	1	1	1	15														
18/ 17																					5														
TOTAL	10.7	57.9	25.4	3.7	.3													883		883	963														
																		883		883															

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_a$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6341305	74305	64.210	0.017	883	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Dry Bulb	1506232	36086	40.9	5.975	883		9.8					93
Wet Bulb	1368285	34367	38.9	5.899	883		14.3					93
Dew Point	1205428	32074	36.3	5.766	883		28.5					93



## PSYCHROMETRIC SUMMARY

73-82

JAN

STATION

STATION NAME

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V F A R S

PAGE 1 1600-2000

USAFETAC FORM 0-26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE (UNCL)



## PSYCHROMETRIC SUMMARY

444

YEARS

PAGE 1 2175-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB WB	Dry Bulb	Wet Bulb	Dew Point														
56/ 55				.1														1	1																
52/ 51	.1	.7	.1	.1														9	9	1	1														
51/ 49	.1	1.4	.5															17	17	19	4														
48/ 47	.9	4.0	1.6															57	57	31	22														
46/ 45	1.9	7.2	.5															85	85	72	41														
44/ 43	3.8	6.5	.7															88	88	94	76														
42/ 41	3.3	7.5	1.8	.1														112	112	88	125														
41/ 39	.7	5.7	.2															58	58	54	57														
38/ 37	3.1	6.6	.9															92	92	93	76														
36/ 35	2.2	7.0	.5	.1														85	85	94	56														
34/ 33	4.8	4.6	.2															85	85	116	121														
32/ 31	.8	6.0	.7															56	66	80	72														
29/ 29	1.8	5.1	.2															63	63	62	72														
28/ 27	1.5	1.5	.1															27	27	32	61														
26/ 25	1.1	.5																14	14	21	20														
24/ 23	.7	.5																10	10	10	23														
22/ 21	.2	.2																4	4	5	15														
21/ 19	.9																	8	8	10	7														
18/ 17																					7														
16/ 15	.1																	1	1	1	6														
14/ 13																					1														
TOTAL	27.0	64.8	7.8	.5															983	983	983														
																		983		983	983														



317457 50500MBE DOWN JK

STATION	STATION NAME

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[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

377400 BOSCOMBE DOWN JK

73-62

FEB

STATION

STATION NAME

YEARS

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
51			.1															1	1																				
49		.5	1.6	.4														20	20	10	6																		
47	1.9	3.3	.1															44	44	74	27																		
45	1.3	6.1	.6															57	57	52	42																		
43	2.2	7.3	.5															84	84	78	53																		
41	4.1	8.4	.6															109	109	98	105																		
39	1.0	4.3	.4															47	47	77	51																		
37	3.5	5.4	1.1	.1														84	85	70	69																		
35	2.4	9.2	.4															99	99	76	70																		
33	3.6	7.3	1.1															100	100	111	72																		
31	1.4	5.1	.4															57	57	91	70																		
29	1.3	4.6	.1															50	50	63	68																		
27	2.3	2.5																48	48	51	75																		
25	.7	.6																11	11	16	53																		
23		.4																3	3	4	19																		
21		.2																2	2	4	7																		
19	.5																	4	4	5	4																		
17																					3																		
15																					6																		
TOTAL	27.7	6.5	5.7	.1														830	831	630	830																		
Element (X)	Σ x'			Σ x			x̄			s <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature						Total																	
Rel. Hum.	6837254			75084			90.5			7.364			830			≥ 0 F   ≥ 32 F   ≥ 67 F   ≥ 73 F   ≥ 80 F   ≥ 93 F																							
Dry Bulb	1211991			31309			37.7			6.246			831			17.7						84																	
Wet Bulb	1145142			30394			36.6			6.226			830			23.7						84																	
Dew Point	1062839			29147			35.1			6.884			830			30.9						84																	

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-82

F F 3

STATION

STATION NAME

YEARS

PAGE 1 7300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
57/49			.8															7	7	6															
48/47	1.4	3.4	.1															41	41	21	18														
46/45	1.4	4.7	.4															54	54	52	50														
44/43	2.5	6.5	.1															76	76	57	48														
42/41	4.3	5.4	.4															125	125	92	103														
41/39	2.2	5.2	.2															63	63	82	72														
38/37	2.7	4.2	.2															59	59	57	68														
36/35	1.7	5.3	.4															61	61	56	46														
34/33	6.4	7.6	.7															122	122	107	79														
32/31	2.5	5.5	.1															58	69	119	76														
30/29	1.8	5.5	.2															63	63	61	92														
28/27	4.2	3.0																60	60	59	85														
26/25	1.3	1.0																19	19	21	40														
24/23	.4	.4																6	6	11	31														
22/21																				3	10														
20/19	.4																	3	3	3	5														
18/17	.1	.2																3	3	3	1														
16/15																					4														
14/13																					2														
TOTAL	33.46	3.7	2.9															930	930	830	930														



## PSYCHROMETRIC SUMMARY

037467	DOSCOMBE DOWN UK
STATION	STATION NAME

73-82

FF3

PAGE 1 0500-0800

[illegible]



## PSYCHROMETRIC SUMMARY

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PAGE 1 7900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
52 / 51		.2	.6															7	7																
50 / 49	.5	1.4	.7															22	22	9	4														
48 / 47	1.0	4.4	.6															50	50	40	16														
46 / 45	2.8	9.9	.5	.1														112	112	89	68														
44 / 43	3.2	5.9	1.4															98	89	104	86														
42 / 41	3.7	9.0	2.8	.2														131	131	96	131														
40 / 39	1.6	4.2	1.4															60	60	79	52														
38 / 37	2.5	4.9	1.2	.2														74	74	70	63														
36 / 35	1.0	4.9	2.5	.1														71	71	68	60														
34 / 33	2.8	4.2	2.2															76	76	83	71														
32 / 31	.8	3.9	1.4															52	52	85	47														
30 / 29	1.0	4.9	.2															51	51	52	69														
28 / 27	3.3	1.4	.2															33	33	43	88														
26 / 25	.1	.5																5	5	8	35														
24 / 23		.4																3	3	5	29														
22 / 21																				2	7														
20 / 19	.1																	1	1	1	9														
18 / 17																					1														
TOTAL	23.2	60.2	15.9	.7														836	836	836	936														



## PSYCHROMETRIC SUMMARY

73-62

FEB

STATION

STATION NAME

Y E A R S

PAGE 1 1200-1400

1200-1400

[illegible]



## PSYCHROMETRIC SUMMARY

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PAGE 1 1570-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. w.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 53			.2		.1													3	3																
52/ 51		.8	1.7		.2													29	29																
50/ 49	.1	2.7	2.8		.1													53	53	73	7														
48/ 47	1.5	5.7	3.9	1.2	.5													106	106	72	26														
46/ 45	1.8	9.7	3.3	2.5	.4													146	146	113	75														
44/ 43	.6	5.2	4.4	1.7	.2													100	100	110	67														
42/ 41	1.3	8.1	5.3	3.3	.5													153	153	101	133														
40/ 39		1.6	3.0	.5	.1													43	43	97	58														
38/ 37	.2	2.9	2.5	.5														51	51	60	74														
36/ 35	.7	2.2	1.8	1.2														49	49	87	59														
34/ 33	.5	2.8	1.6	.1														42	42	58	75														
32/ 31	.1	2.2	.5															24	24	63	49														
30/ 29	.1	1.1	1.5	.1														23	23	22	59														
28/ 27	.1	.4	.1															5	5	7	75														
26/ 25																				14	26														
24/ 23																					23														
22/ 21																					8														
20/ 19																					4														
18/ 17																					4														
16/ 15																					4														
14/ 13																					1														
TOTAL	7.3	45.2	32.6	12.6	2.3														327	827	827														
																		327		827															
			</																																

U.S. SAFETY FORM 0-26-3-OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1070-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
51/ 49	.1	1.7	.4															18	18	8	1														
48/ 47	1.2	4.8	.4															53	53	40	18														
46/ 45	1.7	11.3	.5	.1														113	113	82	64														
44/ 43	1.4	7.2	2.4	.2														94	94	170	69														
42/ 41	1.3	14.0	4.1															161	162	70	121														
40/ 39	.1	5.3	.8															52	52	113	57														
38/ 37	1.2	7.0	2.5	.1														90	90	83	74														
36/ 35	.5	4.6	1.7															57	57	78	61														
34/ 33	1.9	7.2	1.8	.1														92	92	84	86														
32/ 31	.2	4.5	.8															46	46	94	55														
30/ 29	.6	2.9	.7															35	35	43	75														
28/ 27	.7	.7	.1															13	13	19	93														
26/ 25	.2	.4																5	5	15	25														
24/ 23		.1																1	1	3	12														
22/ 21																					2														
20/ 19																					7														
18/ 17																					10														
TOTAL	11.4	71.7	16.3	.5														830	831	830															



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037460  
STATION

BOSCOMBE DOWN JK  
STATION NAME

73-82  
YEARS

FEB  
MONTH

PAGE 1 2100-2100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dr. Bulb	Wet Bulb	Dew Point														
50/ 49	.2	1.4																14	14	12	2														
48/ 47	.5	3.9	.2															40	40	17	15														
46/ 45	2.4	8.7	.5															97	97	84	56														
44/ 43	1.4	7.1	1.1	.2														82	82	31	50														
42/ 41	4.2	8.9	1.5															122	122	97	125														
40/ 39	1.5	5.7	1.1															70	70	69	64														
36/ 37	2.5	7.7	1.2	.1														97	97	81	61														
35/ 35	1.0	6.9	.2															68	68	92	62														
34/ 33	2.6	6.2	1.8															89	89	87	98														
32/ 31	.6	6.3	.4															61	61	95	55														
30/ 29	.7	5.6	.2															55	55	67	79														
28/ 27	1.8	1.4	.4															30	30	35	53														
26/ 25		.4																3	3	8	43														
24/ 23		.6																5	5	3	11														
22/ 21	.1	.2																3	3	6	5														
20/ 19																				2	9														
18/ 17																					3														
16/ 15																					3														
TOTAL	19.9	71.2	8.6	.4																936	836														
																		836		636															
									</																										



## PSYCHROMETRIC SUMMARY

037460	BOSCOMBE DOWN JK
STATION	STATION NAME

73-82

F 2 2

PAGE 1 ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
54 / 55				.0														1	1																
54 / 53				.1	.1													9	9																
52 / 51	.0	.3	.6	.2	.1													73	73	2	2														
51 / 49	.2	1.7	.9	.2	.0													201	201	98	23														
48 / 47	1.2	4.2	1.3	.3	.1													471	471	324	164														
46 / 45	1.7	8.4	1.1	.7	.1													798	798	657	481														
44 / 43	2.1	6.3	1.7	.5	.0													707	707	718	539														
42 / 41	3.2	9.2	2.3	1.0	.1													1256	1257	719	965														
40 / 39	1.2	4.0	1.2	.2	.0													436	436	675	477														
38 / 37	2.0	4.9	1.5	.2														571	572	546	540														
36 / 35	1.2	4.9	1.2	.2														497	497	590	462														
34 / 33	3.1	5.2	1.7	.0														570	570	686	631														
32 / 31	1.1	4.5	.6	.0														412	412	714	460														
30 / 29	1.0	4.1	.5	.0														374	374	425	589														
28 / 27	2.1	1.6	.1															253	253	284	653														
26 / 25	.5	.4																62	62	116	307														
24 / 23	.2	.4																38	38	40	194														
22 / 21	.0	.1																6	6	28	50														
20 / 19	.2																	11	11	14	60														
18 / 17	.0	.0																4	4	4	28														
16 / 15																					20														
14 / 1																					5														
TOTAL	20.96	0.11	5.0	3.5	.5														6552		6650														
																		6650		6650															



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

027450 BOSCOMBE DOWN JK

73-82

MAR

STATION

STATION NAME

YEARS

PAGE 1 1000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
54/ 53	.3	.2	.1															6	6	3	3															
52/ 51	.3	1.2	.6															19	19	10	5															
50/ 49	.5	2.0	.5															28	28	23	14															
48/ 47	1.3	2.2	.6															37	37	32	28															
46/ 45	1.9	5.6	.6															91	81	53	46															
44/ 43	.8	5.3	1.9	.1														73	73	71	49															
42/ 41	2.4	11.1	.9															131	131	91	100															
40/ 39	1.4	9.6	1.9															117	117	117	73															
38/ 37	2.5	8.4	2.0															118	118	132	107															
36/ 35	2.0	9.7	1.3															118	118	113	115															
34/ 33	2.9	5.2	.7															79	79	115	107															
32/ 31	.9	4.2	.2															48	48	71	91															
30/ 29	.9	2.8	.2															35	35	44	73															
28/ 27	.6	1.1																15	15	20	52															
26/ 25	.1	.3																4	4	12	18															
24/ 23																					1	16														
22/ 21																						8														
20/ 19																						4														
TOTAL	18.8	69.7	11.3	.1															909	909	909	909														
Element (X)	Σ x <sup>2</sup>		Σ x		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										Total															
Rel. Hum.	7230420		80764		88.8		7.754		909		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																				
Dry Bulb	1427302		35666		39.2		5.542		909			13.4					93																			
Wet Bulb	1336667		34489		37.9		5.563		909			15.1					93																			
Dew Point	1225570		32894		36.2		6.229		909			26.8					93																			

USAFETAC FORM 71 JUN 71 26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

73-62

485

STATION

STATION NAME

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VEARS

PAGE 1 00-0-0000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew F														
51 / 51		1.3	.3															15	15	9															
49 / 49	1.1	1.1	.3															23	23	20	19														
47 / 47	1.0	2.9	.2															37	37	73	19														
46 / 45	2.0	4.3	.3	.1														61	61	51	55														
44 / 43	1.1	5.6	.7															67	67	52	34														
42 / 41	3.6	12.6	1.2															158	158	97	111														
41 / 39	2.4	7.7	1.4	.1														106	106	111	91														
38 / 37	3.1	5.7	1.9															97	97	115	83														
36 / 35	2.0	8.0	.6															95	95	97	85														
34 / 33	3.6	5.4	.6															87	87	116	101														
32 / 31	1.7	4.9	.1															60	60	96	86														
30 / 29	1.3	4.9	.1															57	58	55	86														
28 / 27	1.8	1.3	.1															29	29	36	68														
26 / 25	.4	.3																11	11	13	33														
24 / 23	.1	.1																2	2	4	24														
22 / 21																					9														
20 / 19																					1														
TOTAL	25.3	66.6	7.8	.2														905	906	905	905														



## PSYCHROMETRIC SUMMARY

73-82

MAE  
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PAGE 1 0600-0900

[illegible]



## PSYCHROMETRIC SUMMARY

432

PAGE 1 0000-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
56 / 55			.2			.2												4	4															
54 / 53		.8	.4	.2	.2	.1	.1											17	17	3														
52 / 51	.3	1.7	.9	.3	.6													31	31	17	6													
50 / 49	.7	2.2	2.8	1.1	.3	.1												55	55	31	17													
48 / 47	.4	4.9	4.2	1.1	.3													99	99	55	30													
46 / 45	.8	7.3	4.8	2.2														136	136	104	52													
44 / 43	1.4	6.6	5.6	1.9	.4													145	146	129	72													
42 / 41	1.0	12.0	5.0	2.1	.4													167	167	114	141													
40 / 39	1.0	3.5	1.9	1.0	.2													69	69	147	100													
38 / 37	1.5	2.8	1.8	.6														60	60	101	120													
36 / 35	.6	3.3	1.5	.2														51	51	68	63													
34 / 33	1.0	1.8	1.0	.4														38	38	70	65													
32 / 31	.7	.9	.6															19	19	43	57													
30 / 29		.1	.2															3	3	17	50													
28 / 27																				4	40													
26 / 25																				1	19													
24 / 23																					17													
22 / 21																					8													
20 / 19																					6													
18 / 18																					1													
TOTAL	2.4	45.8	30.9	11.2	2.2	.4	.1											904	905	904	904													

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6063495	73179	81.7	12.435	904	$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	
Dry Bulb	1695539	38889	43.0	5.198	905		2.3					93
Wet Bulb	1504926	36592	40.5	5.130	904		6.7					93
Dew Point	1292383	33693	37.3	6.367	904		20.4					93



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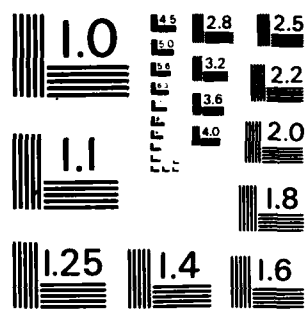
SURFACE WEATHER O..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 83  
USAFETAC/DS-83/008 SBI-AD-E850 370 F/G

4/5

F/G 4/2

NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



2050



YEARS

PAGE 1 1200-1400

4265

**USAFETAC FORM 0-26-3 (OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE)**  
(JUN 71)



## PSYCHROMETRIC SUMMARY

037465  
STATION

BOSCOMBE DOWN JK

73-82

MAR  
MON

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1995

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## PSYCHROMETRIC SUMMARY

Q37460

BOSCOMBE DOWN UK

**73-82**

MAR

STATION

STATION NAME

YEARS

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1800-2000

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## PSYCHROMETRIC SUMMARY

YEARS

MAR  
MAR 1961

PAGE 1      2100-2300  
H2-85      5-7-1

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**USAFETAC FORM 0-26.3 (OL A)**  
PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

73-82

443

STATION

STATION NAME

**YEARS**

413

PAGE 1

1995

[illegible]



## PSYCHROMETRIC SUMMARY

ADR  
MONITOR

PAGE 1 2000-0200

[illegible]



## PSYCHROMETRIC SUMMARY

ADR

PAGE 1 0300-0500

[illegible]



037460	BOSCOMBE DOWN UK
STATION	STATION NAME

## PSYCHROMETRIC SUMMARY

APR 1991

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NOV 85 5 7

USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

037463 BOSCOMBE JOHN JK

73-82

428

STATION

STATION NAME

YEARS

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PAGE 1 3900-1100  
HOLAS L. S. T.

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## PSYCHROMETRIC SUMMARY

037462 BOSCOMBE DOWN UK

73-82

432

STATION

STATION NAME

YEARS

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1000

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-82

APR

STATION

STATION NAME

YEARS

PAGE 1

0-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.	W.B.	Dry Bulb				
70/ 69								.2										2	2					
68/ 67						.2	.3											5	5					
66/ 65					.3	.1	.5											9	9					
64/ 63				.1		1.0	.9	1.0	.5									31	31					
62/ 61			.1	.1	.1	1.6	1.0	.3										29	29					
60/ 59			.2	.3	1.9	2.2	2.4	1.0										71	71					
58/ 57			.7	1.4	1.1	.9	.7	.2										44	44		9			
56/ 55		.1	.9	2.0	3.5	1.7	1.2											84	84		12			
54/ 53		.6	1.2	2.7	2.5	2.2	1.5	.2										96	96		33			
52/ 51	.2	.3	3.2	3.3	3.7	1.4	1.2											118	118		71			
50/ 49		.6	2.0	2.4	2.0	1.8	1.2	.2										91	91		75			
48/ 47	.2	.9	1.4	3.1	2.6	2.3	.1											93	93		132			
46/ 45	.1	4.4	2.0	2.3	2.4	.8												106	106		126			
44/ 43		1.7	.7	1.2	1.0	.3												44	44		143			
42/ 41		1.1	1.8	1.0	.2													37	37		105			
40/ 39		.6	.2															7	7		74			
38/ 37		.8		.3														10	10		67			
36/ 35		.2																2	2		25			
34/ 33	.1																	1	1		5			
32/ 31																					3			
30/ 29																								
28/ 27																								
26/ 25																								
24/ 23																								
22/ 21																								
20/ 19																								
18/ 17																								
16/ 15																								
TOTAL	.7	11.4	14.5	20.3	21.6	16.5	11.1	3.3	.6									880	980		880			



## PSYCHROMETRIC SUMMARY

73-82

422

STATION

STATION NAME

YEARS

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## PSYCHROMETRIC SUMMARY

73-62

ADR

STATION

STATION NAME

YEARS

PAGE 1 2400-2300

2400-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
59/ 59			.1															1	1																
58/ 57			.2															4	4																
56/ 55	.1	.2	.3	.5	.2													12	12	2	1														
54/ 53	.1	.1	.3	.6	.7	.2												18	18	5	2														
52/ 51		1.7	1.2	.5	1.4	.1												43	43	7	3														
50/ 49	1.2	2.0	2.8	1.2	.5	.2												71	71	39	17														
48/ 47	.8	5.3	2.4	1.0	.2													96	86	63	33														
46/ 45	.5	8.7	6.2	2.5	.3													151	161	117	63														
44/ 43	.2	7.3	6.5	2.1	.1													145	145	123	80														
42/ 41	1.1	6.7	5.6	1.9	.7	.1												143	143	128	119														
40/ 39	.1	4.7	3.5	.8	.1													73	73	120	86														
38/ 37	.3	2.5	1.9	.2	.2													46	46	102	101														
36/ 35	.1	2.6	.3															27	27	70	88														
34/ 33	.5	3.2	.2															34	34	58	92														
32/ 31	.3	1.6																17	17	45	67														
30/ 29		.2																2	2	4	77														
28/ 27		.2	.1															3	3	1	31														
26/ 25																				2	7														
24/ 23																					9														
22/ 21																					3														
20/ 19																					4														
18/ 17																					1														
16/ 15																					1														
14/ 13																					1														
TOTAL	5.44	7.15	0.91	1.5	4.4	.7													886		886														
																		996		686															



## PSYCHROMETRIC SUMMARY

237460  
STATION

BO SCOMBE DOWN UK

73-82

APR

PAGE 1

ALL  
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
70/ 59							.1	.1	.0									3	3																
56/ 57						.1	.1											10	10																
66/ 55				.0	.1	.1	.1	.0	.0									23	23																
64/ 63				.0	.1	.3	.2	.2	.1									66	66																
62/ 61			.0	.1	.2	.5	.2	.1	.0									71	71																
60/ 59			.1	.2	.7	.6	.5	.3										166	167	2															
58/ 57		.0	.2	.5	.7	.5	.3	.0										153	163	20															
56/ 55	.1	.3	.4	1.0	1.2	.7	.3											276	276	47	6														
54/ 53	.3	.2	.9	1.4	1.2	.6	.3	.0										328	329	108	19														
52/ 51	.1	1.2	1.8	1.4	1.8	.4	.3											502	502	208	53														
50/ 49	.5	1.6	2.1	1.6	.7	.6	.2	.0										525	525	431	115														
48/ 47	.5	4.0	2.3	1.9	1.4	.7	.1	.0										754	764	671	244														
46/ 45	.8	6.7	3.7	2.4	1.3	.3	.0											1370	1370	879	584														
44/ 43	.4	5.0	2.8	1.6	.6	.1	.7											742	742	930	570														
42/ 41	.9	6.3	3.9	1.4	.3	.0												890	890	890	947														
40/ 39	.3	3.9	1.4	.3	.1													416	416	860	685														
38/ 37	1.3	2.9	1.1	.2	.7													367	367	804	827														
36/ 35	.4	2.2	.4	.0														216	216	456	661														
34/ 33	.4	2.1	.3															196	196	313	565														
32/ 31	.2	1.6	.1															138	138	267	455														
30/ 29	.2	.8																71	72	110	503														
28/ 27	.3	.2	.0															35	35	38	308														
26/ 25	.0	.0																4	4	6	143														
24/ 23	.0	.0																2	2	3	111														
22/ 21																				1	31														
20/ 19																					19														
18/ 17																					7														
16/ 15																					3														
14/ 13																					5														
12/ 11																					1														
10/ 9																					2														
TOTAL	6.1	39.0	21.6	14.1	10.3	5.5	2.6	.7	.1									7044	7747		7044														
Element (X)	Σx'			Σx			X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.	41418350			527186			74.8		26.694		7044		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total										
Dry Bulb	15009091			321327			45.6		7.121		7047				25.6		1.3								720										
Wet Bulb	12554176			294712			41.8		5.637		7044				43.4										720										
Dew Point	10116616			263344			37.3		6.458		7044				170.5										720										



## PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN UK

73-82

MAY

STATION

STATION NAME

YEARS

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NOV 5 1955

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## PSYCHROMETRIC SUMMARY

03746J  
STATION

BOSCOMBE DOWN JK  
STATION NAME

73-82

YEARS

MAY  
1944

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H2-45

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0470 - 4321

1

**YEARS**

PAGE 1

0600-0800  
HOURS - S.T.

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-82

HAY

STATION

STATION NAME

YEARS

MON'N

PAGE 1 1900-1100

HOURS: 8.30-11.30

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN UK

73-82

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

HOURLY

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B. Dry Bulb		TOTAL Wet Bulb Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																		
80/ 79									.1																								1	1	
78/ 77								.3																									3	3	
76/ 75								.7	.2																								10	10	
74/ 73							.3	.6	.1	.3	.3	.3																					18	18	
72/ 71							.2	.1	.3	.4	.4																						14	14	
70/ 69					.1	.9	.8	1.0	.6	.2	.1	.1																					34	34	
68/ 67					.1	.4	.6	.1	.4	.3	.3	.1																					19	19	
66/ 65				.1	.4	.4	.9	.3	.2	.3	.1																						26	26	
64/ 63			.3	1.6	1.1	2.1	1.2	.7	.1	.1																							65	65	
62/ 61			.1	1.4	1.7	2.3	.9	.4	.2																								64	64	
60/ 59			.6	1.6	2.3	3.7	4.3	1.0	.1	.1																							115	115	
58/ 57		.6	1.6	3.3	2.2	1.8	.3	.3																									91	91	
56/ 55		1.3	2.2	3.7	3.8	2.6	.2	.1																									122	122	
54/ 53	.2	1.4	2.0	3.5	1.5	1.3	.3																										90	90	
52/ 51	.1	1.4	2.8	2.2	3.6	1.0	.2																										102	102	
50/ 49	.1	1.1	1.1	1.6	.6	.7																											46	46	
48/ 47	.1	1.9	.9	.7	.4	.3																											39	39	
46/ 45	.1	1.9	.2	.2	.2	.1																											25	25	
44/ 43		.2	.1																														3	3	
42/ 41	.1	.4		.2																													7	7	
40/ 39		.2																															2	2	
38/ 37		.1																															1	1	
36/ 35																																			
34/ 33																																			
32/ 31																																			
30/ 29																																			
28/ 27																																			
26/ 25																																			
24/ 23																																			
22/ 21																																			
20/ 19																																			
TOTAL	.8	10.4	12.9	20.5	19.5	18.6	7.8	4.1	2.6	1.7	.9	.2																					897	897	
																																		897	
Element (X)	Σ x					Σ x					Σ					Σ					Σ					Σ					Σ				
Ref. Num.	3591391					54679					61.0					16.978					897					Σ 0 F					Σ 32 F				
Dry Bulb	2998806					51484					57.4					6.993					897					Σ 67 F					Σ 73 F				
Wet Bulb	2272825					44927					50.1					5.024					897					Σ 80 F					Σ 93 F				
Dew Point	1697436					38524					42.9					6.921					897					Σ 6.9					Total				

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037460  
STATION

BOSCOMBE DOWN UK  
STATION NAME

73-82  
YEARS

MAY  
MONTH

PAGE 1 1500-1700  
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
78/ 77								.1	.3	.1	.1							6		6															
76/ 75								.4	.3	.1	.1							9		9															
74/ 73							.3	.7	.2	.3								17		17															
72/ 71					.1	.1	.1	.4	.9	.4	.2							21		21															
70/ 69					.2	.5	.5	.8	.5	.3						.1		28		28															
68/ 67				.1	.3	.3	.7	.4	.4	.2					.1			24		24															
66/ 65				.3	.3	1.1	1.6	.2	.5	.2	.1							41		41	1														
64/ 63			.1	1.0	1.1	2.4	1.9	.5	.1	.1	.3							69		69	13														
62/ 61			.1	.8	1.4	2.6	1.6	.3	.4									67		67	18														
60/ 59		.7	2.1	2.3	2.6	2.6	.9	.2										101		101	14														
58/ 57		.7	1.1	3.9	3.1	1.4	.7											99		99	49														
56/ 55		1.7	.9	4.0	3.3	3.2	.2											122		122	92														
54/ 53	.2	1.3	1.4	3.4	1.9	1.0	.4	.1										89		89	104														
52/ 51		1.2	3.2	1.7	2.5	.9	.5											92		92	129														
50/ 49	.3	.5	2.4	1.5	.7	.7												56		56	135														
48/ 47	.1	2.2	.3	.5	.3	.2												34		34	144														
46/ 45	.1	2.0	.3	.4		.1												27		27	147														
44/ 43		.3																3		3	51														
42/ 41		.5	.3															8		8	126														
40/ 39		.1																1		1	58														
38/ 37	.1																	1		1	8														
36/ 35		.1																1		1	41														
34/ 33																						43													
32/ 31																						12													
30/ 29																						17													
28/ 27																						12													
26/ 25																						5													
24/ 23																						6													
22/ 21																						2													
20/ 19																						3													
18/ 17																						1													
16/ 15																						1													
TOTAL	.9	11.4	12.2	19.8	17.9	17.5	10.4	3.9	3.5	1.5	1.0	.2							916		916	916													
Element (X)	Σ X²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ														
Rel. Hum.	3659097		55739		60.9		7.094		916		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F														
Dry Bulb	3386500		52766		57.6		7.161		916						13.7		3.2																		
Wet Bulb	2331824		45982		50.2		5.077		916																										
Dew Point	1742830		39444		43.1		6.960		916				6.0																						

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71  
USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-82

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000

HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73						.1	.1	.1										3	3																
72/ 71					.2	.1		.1										4	4																
70/ 69				.1	.2		.2	.4		.1								10	10																
68/ 67				.1	.4	.4	.6	.2	.4									20	20																
66/ 65			.1	.3	.2	.3	.4	.1	.4									18	18																
64/ 63			.1	.8	1.3	1.4	1.1	.4	.1	.1	.1							47	47	6															
62/ 61			.4	.8	1.2	1.0	.3	.2	.1	.2								39	39	7	1														
60/ 59		.3	1.2	2.5	2.4	2.1	.9	.1		.1								88	88	12	3														
58/ 57	.1	.8	1.8	1.8	1.1	.7	.1	.1	.1									59	59	27	9														
56/ 55	.2	2.8	2.3	3.0	2.0	1.1												103	103	55	15														
54/ 53		2.4	2.5	4.0	1.7	.4												100	100	100	30														
52/ 51	.3	3.7	4.3	2.1	2.7	.2												120	120	114	63														
50/ 49	.9	1.8	5.3	1.4	.6	.3	.1											94	94	125	77														
48/ 47	.3	4.1	2.9	1.9	.7	.1												90	90	147	83														
46/ 45	.2	3.8	2.4	1.0	.2	.2												71	71	150	134														
44/ 43		.2	.3	.3	.1													9	9	71	111														
42/ 41	.1	.7	.6	.2														14	14	50	140														
40/ 39	.3	.1	.2															6	6	14	48														
38/ 37	.4	.2																6	6	15	72														
36/ 35		.1																1	1	9	50														
34/ 33																					28														
32/ 31																					10														
30/ 29																					8														
28/ 27																					9														
26/ 25																					3														
24/ 23																					4														
22/ 21																					2														
20/ 19																					2														
18/ 17																					2														
TOTAL	3.02	1.02	4.62	5.44	4.7	6.6	3.9	1.9	1.2	.6	.1							902	902	902	902														

USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

037463  
STATION

BOSCOMBE DOWN UK

73-82

MAY  
MONIE

PAGE 1 2100-2300

[illegible]

USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



USAFETAC FORM 0-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71)



## PSYCHROMETRIC SUMMARY

037463  
STATION

305048E 3044 JK

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MAY  
 1955

PAGE 2

ALL  
HOURS

[illegible]



## PSYCHROMETRIC SUMMARY

73-82

JUN

STATION

STATION NAME

YEARS

PAGE 1 0000-0200

3530-3253

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-82

JUN

STATION

STATION NAME

YEARS

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB. W.B.	Dry Bulb	Wet Bulb	Dew Point														
68/ 67					.2													2	2																
66/ 65					.1													1	1																
64/ 53		.2	.5	.2														9	9																
62/ 51		.7	.3	.1	.1	.1												12	12	5															
60/ 59	1.0	1.3	.7	.2														28	28	21	20														
58/ 57	.5	2.5	.3	.1														30	30	22	12														
56/ 55	3.0	7.4	1.8	.2														109	109	56	55														
54/ 53	2.6	9.3	1.5	.1														118	118	130	75														
52/ 51	4.5	8.6	2.1	.1														133	133	133	129														
50/ 49	3.5	6.3	1.3	.2	.1													100	100	122	114														
48/ 47	2.2	8.8	1.3	.5														111	111	108	103														
46/ 45	3.5	10.6	.2															126	126	129	154														
44/ 43	.3	4.1	.2															41	41	69	73														
42/ 41	.5	3.0	.9															37	37	33	70														
40/ 39	.5	.7	.1															11	11	28	30														
38/ 37	.3	.2																5	5	14	22														
36/ 35		.2																2	2	3	9														
34/ 33																				2	5														
32/ 31																					3														
30/ 29																					1														
TOTAL	22.4	63.9	11.2	1.9	.5	.1												875	875	875	875														



## PSYCHROMETRIC SUMMARY

73-62

JUN

PAGE 1 0600-0900

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
77/ 77							.1											1	1																
76/ 75						.1												1	1																
74/ 73							.1											1	1																
72/ 71					.1													1	1																
71/ 69			.1	.2		.2		.1										6	6																
69/ 67			.1	.3		.1												5	5																
66/ 65			.6	.5	.3	.1	.1											14	14	4															
64/ 63		.5	.2	.6	.2	.1												14	14	5															
62/ 61		.7	1.5	.7	.3	.1												29	29	12	8														
61/ 59	.5	2.2	3.5	1.6	.3	.2												72	72	22	18														
58/ 57	.3	5.1	2.8	1.8	.9													94	94	43	26														
56/ 55	2.8	8.9	4.1	1.2	.5	.2												153	153	120	80														
54/ 53	.9	9.7	3.8	1.4	.2													139	139	146	80														
52/ 51	2.6	7.6	4.5	.8	.2													137	137	168	162														
50/ 49	1.3	4.0	2.6	.6	.1													75	75	130	117														
48/ 47	1.7	5.1	1.4	.3														74	74	122	120														
46/ 45	.6	3.1	.2	.1														35	35	71	119														
44/ 43		.9	.2															10	10	26	51														
42/ 41		.5	.2															6	6	10	57														
40/ 39		.1																1	1	4	11														
38/ 37																				2	13														
36/ 35																					3														
34/ 33																					2														
32/ 31																					1														
TOTAL	17.7	48.3	5.9	17.1	3.2	1.3	.3	.1										868	868	868	968														

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6327019	73473	84.6	1.151	868	< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Dry Bulb	2552733	46875	54.0	4.959	868			1.6	.3			90
Wet Bulb	2317393	44667	51.5	4.400	868							90
Dew Point	2131395	42797	49.3	4.954	868			.1				90

USAFETAC FORM 0-26.3 OLA PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 71)



## PSYCHROMETRIC SUMMARY

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[illegible]



## PSYCHROMETRIC SUMMARY

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PAGE 1 1270-1400

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
92/ 91												.2						2	2																
90/ 89											.1	.2						3	3																
88/ 87										.2	.1	.1						4	4																
86/ 85											.1	.3						4	4																
84/ 83											.2		.1					3	3																
82/ 81											.1							1	1																
80/ 79						.1	.3	.3		.2	.3	.2						14	14																
78/ 77					.6	.5	.6	1.3	.5									29	29																
76/ 75					.5	.8	.7	.5	.1									22	22																
74/ 73				.2	.5	1.5	1.2	.1	.3	.1								34	34																
72/ 71			.1	.9	.8	.9	.5	.6										33	33																
70/ 69				2.1	1.5	.8	.7	.1	.2									47	47	5															
68/ 67				1.4	.8	.6	.6		.1									30	30	11															
66/ 65			.5	1.7	2.4	1.5	1.3	.8										71	71	23															
64/ 63		.3	.7	4.3	4.2	3.8	1.7	.6										135	135	34	3														
62/ 61		.9	2.6	2.8	4.4	2.6	.6											119	119	72	9														
60/ 59	.3	2.7	2.5	2.2	4.1	1.7	.9											125	125	91	39														
58/ 57	.1	1.7	1.4	2.6	.9	1.4	.2											72	72	131	55														
56/ 55	.1	2.3	1.9	2.5	.6	.8												56	66	127	90														
54/ 53		1.2	.1	.5	.5	.3												23	23	143	82														
52/ 51	.1	.7	1.0	.3	.2													21	21	111	115														
50/ 49			.2															2	2	57	80														
48/ 47		.2																2	2	37	98														
46/ 45																				16	119														
44/ 43																				3	67														
42/ 41																					55														
40/ 39																					17														
38/ 37																					20														
36/ 35																					12														
34/ 33																					7														
32/ 31																					2														
28/ 27																					2														
TOTAL	.7	10.1	10.9	16.5	22.5	16.9	15.2	5.9	2.6	1.5	1.4	1.2	.1					862	862	862	862														
Element (X)	ΣR'		ΣR		R		R		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	3503319		53179		61.7		16.078		862		≤ 0 F		+ 32 F		+ 67 F		+ 73 F		+ 80 F		+ 93 F		Total												
Dry Bulb	3534467		54839		63.6		7.286		862						23.6		12.1		2.7				90												
Wet Bulb	2698234		48346		55.7		4.850		862						1.8								90												
Dew Point	2126162		42488		49.3		6.091		862						.4								90												

U.S. SAFETY FORM JUN 71 Q 26 3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



USAFETAC FORM 0 26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

237453  
STATION

BOSSOMBE DOWN JK

73-82

JUN

PAGE 2 1500-1700

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

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JUN

PAGE 1 1800-2000

[illegible]

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

037463 BOSCOMBE JOMV JK

73-82

224

STATION

STATION NAME

YEARS

PAGE 2 1673-2000

$\mu = 0$ ,  $\sigma^2 = 1$

[illegible]



## PSYCHROMETRIC SUMMARY

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PAGE 1 2100-2300

[illegible]



## PSYCHROMETRIC SUMMARY

C37463 BOSCOMBE DOWN JK

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JJ  
 JJ

STATION

STATION NAME

YEARS

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
92/ 91												.0		.0								5	5												
90/ 89											.1	.0		.0								9	9												
88/ 87										.0	.0	.0										7	7												
86/ 85									.0	.0	.1	.1			.0	.0						16	16												
84/ 83								.0	.0	.0	.0	.1			.0		.0					11	11												
82/ 81							.0	.0	.0	.0	.0	.0										6	6												
80/ 79						.0	.1	.1	.0	.1	.1	.0										26	26												
78/ 77					.1	.3	.2	.3	.2	.1	.1	.0		.0								85	85												
76/ 75				.0	.3	.3	.3	.1	.1	.0												69	69												
74/ 73			.1	.1	.4	.4	.5	.2	.1	.0												126	126												
72/ 71			.1	.3	.3	.5	.3	.1	.0	.0												121	121												
70/ 69		.1	.2	.8	.9	.3	.2	.1	.1													180	181	19											
68/ 67		.1	.2	.7	.6	.3	.3		.0													146	145	36											
66/ 65	.0	.3	.9	1.0	.6	.4	.2	.0														245	246	94	1										
64/ 63	.0	.4	.9	2.5	1.7	1.4	.7	.2	.0													554	554	133	24										
62/ 61	.0	.8	1.8	1.7	1.5	1.0	.2	.0														502	502	268	50										
60/ 59	.5	2.2	3.1	2.3	2.2	.8	.3	.1														804	804	469	239										
58/ 57	.3	3.2	1.9	2.1	1.0	.4	.0															630	630	668	285										
56/ 55	1.5	5.2	2.7	1.6	.7	.4																847	847	876	638										
54/ 53	1.0	5.6	2.0	1.2	.3	.0																707	707	1047	742										
52/ 51	1.5	4.7	2.2	.6	.3	.0																551	552	1088	999										
50/ 49	.9	3.2	1.4	.3	.0																	404	404	792	813										
48/ 47	.8	3.6	.7	.2	.0																	368	368	617	810										
46/ 45	.7	3.0	.2	.1																		280	280	445	1020										
44/ 43	.1	1.0	.1																			93	83	235	466										
42/ 41	.1	.6	.2																			57	57	78	487										
40/ 39	.1	.1	.0																			16	16	40	142										
38/ 37	.0	.1																				9	9	21	127										
36/ 35		.0																				2	2	8	56										
34/ 33																								2	38										
32/ 31																									18										
30/ 29																									3										
28/ 27																									5										
26/ 25																									3										
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_X$			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			



## PSYCHROMETRIC SUMMARY

73-82

JJN

STATION

STATION NAME

YEARS

MS-2

PAGE 2

ALL

1. *Staphylococcus aureus*

[illegible]



## PSYCHROMETRIC SUMMARY

J J L

PAGE 1 7000-3250

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

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444

PAGE 1 0300-0500

[illegible]

USAFETAC FORM 0 26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



037460	00SCOMBE DOWY JK
STATION	STATION NAME

73-82

J J L

PAGE 1 7070-2900

USAFETAC FORM 0-26 3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

077481	BOSCOMBE DOWN UK
STATION	STATION NAME

73-62

J J L

PAGE 1 7900-1150

[illegible]



## PSYCHROMETRIC SUMMARY

J J L

PAGE 1 1270-1400

[illegible]



## PSYCHROMETRIC SUMMARY

JLL

PAGE 1 1000-1750

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037450 BOSCOMBE DOWN JK

73-82

JUL

STATION

STATION NAME

YEARS

PAGE 1 1800-2000

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B. Dry Bulb		TOTAL Wet Bulb Dew Point		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
58/ 87																																	1	1		
54/ 83																					.3	.1										4	4			
50/ 81																					.1											1	1			
47/ 75																				.1	.1											2	2			
77/ 77											.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	18	18				
76/ 75											.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	13	13					
74/ 73									.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	21	21	24	24				
72/ 71						.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	37	37				
70/ 69					.3	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	61	61			
68/ 67				.2	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	66	66			
66/ 55			.5	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	93	93			
64/ 53	.1	1.8	2.9	3.9	4.9	5.9	6.9	7.9	8.9	9.9	10.9	11.9	12.9	13.9	14.9	15.9	16.9	17.9	18.9	19.9	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.9	30.9	163	163			
62/ 51																																175	175			
61/ 59	.5	4.2	5.3	6.3	7.3	8.3	9.3	10.3	11.3	12.3	13.3	14.3	15.3	16.3	17.3	18.3	19.3	20.3	21.3	22.3	23.3	24.3	25.3	26.3	27.3	28.3	29.3	30.3	31.3	32.3	150	160				
57/ 57	.3	3.5	4.6	5.6	6.6	7.6	8.6	9.6	10.6	11.6	12.6	13.6	14.6	15.6	16.6	17.6	18.6	19.6	20.6	21.6	22.6	23.6	24.6	25.6	26.6	27.6	28.6	29.6	30.6	31.6	80	80				
56/ 55	.2	1.9	2.9	3.9	4.9	5.9	6.9	7.9	8.9	9.9	10.9	11.9	12.9	13.9	14.9	15.9	16.9	17.9	18.9	19.9	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.9	42	42				
54/ 53		.3	.9	1.9	2.9	3.9	4.9	5.9	6.9	7.9	8.9	9.9	10.9	11.9	12.9	13.9	14.9	15.9	16.9	17.9	18.9	19.9	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	11	11				
52/ 51		.5																													4	4				
51/ 49																																				
48/ 47																																	23			
46/ 45																																				
44/ 43																																				
42/ 41																																				
40/ 39																																				
TOTAL	1.1	12.3	23.5	32.7	40.0	45.5	51.8	57.6	62.8	67.3	71.2	74.5	77.2	79.4	81.1	82.4	83.3	83.8	84.0	83.8	83.2	82.2	80.8	79.0	76.8	74.2	71.2	67.8	64.0	59.8	55.2	50.2	385	385		
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ		
Rel. Hum.	4414104			61306			69.3			13.757			885			= 0 F			= 32 F			= 67 F			= 73 F			= 80 F			= 93 F			Total		
Dry Bulb	3604412			56258			63.6			5.646			885									23.9			6.6			.8						93		
Wet Bulb	2931383			50825			57.4			3.766			885									.3												93		
Dew Point	2482042			46578			52.8			4.509			885																					93		

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

JUL  
5 1967

PAGE 1 2470-2302

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAD

# PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-82

JUL

STATION

STATION NAME

YEARS

PAGE 1

ALL

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B. Dry Bulb		TOTAL Wet Bulb Dew Point	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
92/ 91																																	2	2			
91/ 89																																	5	5			
88/ 87																				.1	.2											17	17				
86/ 85																			.1	.3												8	8				
84/ 83																		.1	.1	.3													15	15			
82/ 81															.3	.1	.1	.1														18	18				
81/ 79													.3	.1	.2	.3	.1				.3											25	25				
78/ 77												.1	.4	.6	.2	.1																101	101				
76/ 75									.4	.3	.6	.5	.1	.3																		101	101				
74/ 73					.1	.2	.5	.7	.4	.1	.3																					156	156				
72/ 71				.1	.5	.6	1.2	.4	.1	.3																						203	203				
70/ 69			.3	.6	1.2	1.4	.6	.3	.3	.3																						319	319				
68/ 67		.3	.7	1.5	1.2	.6	.2	.7	.3																							326	327				
66/ 65		.2	1.1	2.0	1.8	1.0	.6	.1		.3										.3												489	489				
64/ 63	.1	1.3	1.6	4.1	2.2	1.6	.4	.3		.3																						914	914				
62/ 61	.2	2.5	2.4	2.1	1.4	.8	.1		.3																							591	592				
60/ 59	1.1	6.0	3.9	2.6	1.4	.2		.3																								1080	1082				
58/ 57	.7	5.2	2.4	1.4	.2																											709	709				
56/ 55	1.1	5.9	2.5	.7	.1																											725	725				
54/ 53	.6	4.3	1.7	.3																												497	497				
52/ 51	.9	3.6	1.2	.3																												405	405				
50/ 49	.3	2.0	.4	.3																												192	192				
48/ 47	.3	1.5	.1	.3																												137	137				
46/ 45	.2	1.0																														81	81				
44/ 43	.3	.3																														4	4				
42/ 41	.3																															1	1				
40/ 39																																	1	1			
38/ 37																																	5	5			
36/ 35																																	1	1			
34/ 33																																	1	1			
32/ 29																																	2	2			
24/ 23																																	2	2			
TOTAL	5.6	33.6	17.8	14.8	10.6	7.6	5.5	2.7	.8	.4	.3	.2	.1	.1																		7121	7128				
																																	7121	7121			
Element (X)	Σx'			Σx			x			x <sub>a</sub>			No. Obs.			Mean No. of Hours with Temperature							Total														
Rel. Hum.	43112183			541349			76.3			16.583			7121			± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F																
Dry Bulb	26550672			432048			60.6			7.137			7128					135.6	47.3	8.5																	
Wet Bulb	22393350			398720			55.9			4.536			7121					3.3																			
Dew Point	19612328			372220			52.3			4.682			7121				.4																				



## PSYCHROMETRIC SUMMARY

037460	BOSCOMBE DOWN UK
STATION	STATION NAME

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

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733-1133

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## PSYCHROMETRIC SUMMARY

037450 BOSCOMBE DOWN JK

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## PSYCHROMETRIC SUMMARY

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AUG

STATION

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YEARS

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1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

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## PSYCHROMETRIC SUMMARY

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PAGE 1 1800-2000

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
84/ 83										.1			.1					2	2																		
82/ 81									.1			.1						3	3																		
80/ 79						.1	.1	.1	.2				.1					5	5																		
78/ 77						.1	.7	.3	.1	.1	.5	.3						19	19																		
76/ 75					.1	.3	.2	.3	.2	.3	.1							15	15																		
74/ 73			.1	.5	.2	.9	.2	.8	.3	.6								32	32																		
72/ 71				.5	1.7	.5	.6	.3	.5									35	35																		
70/ 69			.6	.3	1.4	1.4	.5	.5		.1								41	41	3																	
68/ 67		.1	.8	1.2	1.5	1.1	.7	.2										50	50	7	1																
66/ 65		.6	2.3	1.9	1.9	1.4	.6	.1										77	77	33	2																
64/ 63		2.4	4.1	6.5	4.3	.6	.5											161	161	57	20																
62/ 61	.5	3.2	4.4	2.3	1.7	.9	.1											115	115	37	32																
60/ 59	.7	6.5	6.9	4.3	.9	.1												171	171	145	112																
58/ 57		3.5	2.7	1.4	.1													66	66	195	93																
56/ 55	.5	3.2	2.2	.6														56	56	184	134																
54/ 53	.3	1.1	.5	.3														20	20	106	112																
52/ 51		.6	.3															8	9	55	138																
50/ 49		.1	.1															2	2	14	79																
48/ 47																				4	68																
46/ 45																				1	35																
44/ 43																					31																
42/ 41																					16																
40/ 39																					3																
38/ 37																					2																
36/ 35																					2																
32/ 31																					1																
TOTAL	1.9	21.2	25.0	19.8	13.3	7.4	4.1	2.8	1.4	1.4	.5	.5	.2					881	881	691	981																



## PSYCHROMETRIC SUMMARY

037463	BOSCOMBE DOWN JK
STATION	STAT

73-82

AJG

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
75/ 77							.2											2	2																
75/ 75						.1		.1										2	2																
74/ 73						.2		.2		.1								5	5																
72/ 71			.1		.2		.1		.2									6	6																
73/ 69			.2	.2	.1		.1	.3										9	9																
69/ 67			.5	.1	.4	.3	.2											15	15	2															
66/ 65		.4	1.0	.7	.2	.6	.6											31	31	6	2														
64/ 63		3.3	2.0	1.5	.7	1.0												75	75	22	8														
62/ 61	.2	5.2	2.6	1.5	.9	.1												93	93	54	26														
60/ 59	2.7	11.4	6.5	2.4	1.1	.4												219	219	116	109														
58/ 57	1.0	10.1	3.7	.4	.2													138	138	149	93														
56/ 55	1.9	8.4	2.8	1.0	.1													127	127	190	149														
54/ 53	.9	4.8	2.4	.4														76	76	155	115														
52/ 51	.8	4.5	1.3															59	60	96	136														
50/ 49	.1	1.8	1.1															27	27	64	89														
48/ 47		.9																8	8	34	68														
46/ 45																				4	70														
44/ 43																					18														
42/ 41																					9														
TOTAL	7.6	50.8	24.3	8.2	4.0	2.8	1.2	.7	.2	.1								892	893	692	892														
																						892		692											

USAFETAC FORM 0.26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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PAGE 1 7030-1200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB WB	Dry Bulb	Wet Bulb	Dew Point														
75/ 55			.1															1	1																
74/ 53		.2	.9	.1														11	11	3	3														
73/ 51		.1	2.5	.7														30	30	15	7														
72/ 50	2.5	5.4	1.1	.2	.1													83	83	51	43														
71/ 57	1.7	5.1	1.2	.5														75	75	78	47														
70/ 55	4.3	8.7	1.2	.1														127	127	94	123														
69/ 53	7.3	9.5	1.4															118	118	134	122														
68/ 51	7.9	8.5	1.0															117	117	115	115														
67/ 49	1.7	8.8	1.2	.1														105	105	115	124														
66/ 47	2.5	5.3	1.2															83	83	103	114														
65/ 45	1.8	8.3	.2															89	69	94	124														
64/ 43	.2	2.7																26	26	52	48														
63/ 41	.5	.5																9	9	17	65														
62/ 39	.1	.3																4	4	5	9														
61/ 37	.1	.1																2	2	4	8														
60/ 35	.2																	2	2	2	2														
59/ 33																				1	2														
58/ 31																					1														
TOTAL	21.26	7.91	7.5	.9	.1													862	862	692	862														

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7436364	90764	91.5	5.671	882	≤ 0 F	• 32 F	• 67 F	• 73 F	• 80 F	• 93 F	
Dry Bulb	2453579	46329	52.5	5.085	883							90
Wet Bulb	2333083	45139	51.2	5.105	882							90
Dew Point	2245922	44250	50.1	5.423	882							90



## PSYCHROMETRIC SUMMARY

STATION	STATION NAME
2774 JC	JOSECOMBE DOWN JK

73-02

SEP

PAGE 1 2520-7502

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
64/ 53	.1	.5																5	5	1	1														
62/ 51	.1	1.5																14	14	5	4														
60/ 50	1.3	5.0	1.1															53	53	50	49														
58/ 50	2.2	5.0	.5	.1														68	68	50	55														
56/ 55	5.5	7.0	.7	.5														121	121	59	92														
54/ 53	1.2	5.9	.8	.2														72	72	54	70														
52/ 51	4.7	6.6	2.0															117	117	108	97														
50/ 49	2.2	6.7	1.0															105	105	118	82														
48/ 47	4.2	5.5	.2															96	96	117	115														
46/ 45	3.5	5.1	.3															79	79	90	144														
44/ 43	2.4	5.3																68	68	67	54														
42/ 41	1.0	3.1																36	36	51	72														
40/ 39	.1	.7																7	7	14	26														
38/ 37	.3	.3																6	5	9	12														
36/ 35	.3	.1																4	4	5	5														
34/ 33																				1	2														
32/ 31																					1														
TOTAL	31.2	61.3	6.7	.8														881	881	881	881														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7691372	92134	93.2	6.204	981	$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	
Dry Bulb	2330365	45755	51.1	5.458	981							92
Wet Bulb	2239541	44157	50.1	5.470	881							92
Dew Point	2167599	43411	49.3	5.694	881		.1					92



## PSYCHROMETRIC SUMMARY

73-82

552

STATION

STATION NAME

YEARS

PAGE 1 2600-2800

**Abstract**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
64/ 53			.8																			7	7												
62/ 54		.2	2.2	.3																		24	24	11	6										
60/ 55	2.5	6.6	.8	.1	.1																	89	89	49	49										
58/ 57	2.5	7.9	1.6																			105	105	78	61										
56/ 55	3.7	5.4	2.3	.3																		102	102	177	103										
54/ 52	2.3	6.8	1.6																			93	93	124	76										
52/ 51	3.5	7.1	2.2	.2																		113	113	177	97										
50/ 49	2.5	5.5	1.4																			83	83	119	96										
48/ 47	3.7	5.3	.3																			85	85	93	107										
46/ 45	2.1	7.5	.2																			86	86	83	104										
44/ 43	1.6	2.8																				38	38	65	61										
42/ 41	1.2	2.6																				33	33	35	78										
40/ 39	.1	.3																				4	4	11	17										
38/ 37	.1	.1																				2	2	4	8										
36/ 35	.3	.1																				4	4	5	3										
34/ 33																									2										
TOTAL	24.56	1.31	1.3	.7	.1																	868		868	868										

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7383838	79926	92.3	7.010	968	+ 0 F	+ 32 F	67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	2374539	45157	52.3	5.400	868							90
Wet Bulb	2264684	44092	50.8	5.363	868							90
Dew Point	2176811	43195	49.8	5.608	868							90



## PSYCHROMETRIC SUMMARY

037460	BOSCOMBE DOWN JK
STATION	STATION NAME

73-82

572

PAGE 1 2920-1140

[illegible]



## PSYCHROMETRIC SUMMARY

55P  
4500

PAGE 1 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
65/ 79							.3	.1	.1									5	5																
78/ 77						.2	.1	.6	.1									9	9																
76/ 75						.2	.3	.1	.1									7	7																
74/ 73				.2	.5	.3	.1	.3	.5									17	17																
72/ 71				.2	.5	.2	.9	.3	.2									21	21																
70/ 69				.2	.8	2.5	.8	.8										45	45																
68/ 67			.6	.7	3.3	1.5	1.5	.2										55	65	8															
66/ 65		.3	1.5	2.1	2.3	1.3	.7	.1										73	73	13															
64/ 63	.2	1.9	1.9	7.2	4.5	5.7	.5											192	192	37	11														
62/ 61		1.5	3.4	1.9	3.5	.8	.2											100	100	71	27														
60/ 59	.1	2.2	3.5	6.3	3.3	1.0	.5											148	148	120	55														
58/ 57	.2	3.2	1.7	2.1	2.1	.5												55	85	140	57														
56/ 55	.1	1.7	.7	1.7	1.4	.2												51	51	156	100														
54/ 53		1.3	.5	1.4	.7													31	31	150	104														
52/ 51	.2	.3	1.4	.1														18	18	71	114														
50/ 49		.3	.2															5	5	52	66														
48/ 47		.5	.2															6	5	45	69														
46/ 45																				11	130														
44/ 43																					62														
42/ 41																					35														
40/ 39																					15														
38/ 37																					5														
36/ 35																					3														
TOTAL	.9	13.0	15.7	24.1	22.4	4.3	5.7	2.6	1.0									875	875	575	875														

Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4159121	59763	67.5	14.342	875	+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	3412370	44026	62.2	5.559	875			17.4	3.9	.3		90
Wet Bulb	2750303	48903	55.9	4.431	875			.8				90
Dew Point	2282943	44019	50.8	5.663	875							90



## PSYCHROMETRIC SUMMARY

73-82

572

STATION

STATION NAME

YEARS

PAGE 1 1500-1700

[illegible]



## PSYCHROMETRIC SUMMARY

037463

BOSCOMBE DOWN JK

73-82

572

STATION

STATION NAME

YEARS

PAGE 1 1822-2222

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
76/ 75						.2	.1	.1	.1									2	2																
74/ 73						.2	.1	.1										4	4																
72/ 71						.2	.1	.1										3	3																
70/ 69				.1	.2	.1		.1										5	5																
68/ 67			.3	.1	.7		.1											11	11																
66/ 65		.2	.8	.7	.1	.6	.6	.1										27	27		5														
64/ 63	.2	1.9	1.8	2.2	.9	.5	.2											68	69	15	7														
62/ 61	.1	4.9	3.2	1.6	1.4	.3												101	101	41	15														
60/ 59	1.3	5.7	4.7	3.2	.9	.3												139	139	81	55														
58/ 57	.6	5.5	5.1	3.5	.5	.3												137	137	98	65														
56/ 55	.7	5.7	4.1	1.9	.3	.2												114	114	126	88														
54/ 53	.9	4.2	3.4	1.4	.3													90	90	151	100														
52/ 51	.7	3.6	3.2	.9														74	74	131	115														
50/ 49	.1	3.0	2.7	.8														58	58	91	91														
48/ 47	.2	1.5	.7	.1														22	22	70	113														
46/ 45	.1	1.8	.2															19	19	48	95														
44/ 43		.2																2	2	15	48														
42/ 41		.2																2	2	3	56														
40/ 39																					13														
38/ 37																					7														
TOTAL	4.7	38.5	30.3	16.5	5.9	2.5	1.3	.3										978	978	978	978														

Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5813045	70556	80.5	2.038	878	$\pm 0$ F	$\pm 32$ F	$\pm 67$ F	$\pm 73$ F	$\pm 80$ F	$\pm 93$ F	
Dry Bulb	2869983	49991	56.9	5.191	878			2.6	.6			93
Wet Bulb	2537810	47024	53.6	4.690	878							90
Dew Point	2286036	44542	50.7	5.483	878							90



## PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN UK

73-82

SEP

STATION

STATION NAME

YEARS

PAGE 1 2100-2300

2250 2250

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
66/ 55		.3	.1	.1	.2													7	7													
64/ 63	.1	.8	.8	.2		.1												18	18	5	5											
62/ 61	.8	3.0	1.0															42	42	19	11											
60/ 59	1.7	7.6	2.4	1.0	.3													115	115	71	57											
58/ 57	1.4	6.5	1.4	1.7														96	96	68	60											
56/ 55	2.1	10.8	2.6	.7	.1													143	143	98	82											
54/ 53	1.5	7.9	3.0	.6														113	113	152	100											
52/ 51	1.3	7.2	2.4	.1														101	101	123	121											
50/ 49	.5	5.9	2.1	.1														78	78	117	85											
48/ 47	.9	6.9	1.5	.5														86	86	76	106											
46/ 45	.2	5.5	.6															55	55	91	114											
44/ 43	.6	.6	.2															12	12	40	60											
42/ 41	.2	.8																9	9	12	57											
40/ 39	.1	.2																3	3	4	10											
38/ 37																				2	9											
36/ 35																					1											
TOTAL	12.2	64.0	16.0	5.0	.7	.1												878		878												
																						878		878								



## PSYCHROMETRIC SUMMARY

73-82

55P

STATION

STATION NAME

YEARS

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[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037450 BOSCOMBE DOWN JK

73-82

OCT

STATION

STATION NAME

YEARS

PAGE 1

0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
64/ 53		.1																1	1																
62/ 51		.7		.1														7	7		3	1													
60/ 50	.2	1.1	.1															13	13		9	10													
58/ 50	.4	1.8	.1															22	22		15	9													
56/ 55	1.7	4.8	.2															62	62		43	31													
54/ 53	2.3	5.3	1.0															91	81		74	70													
52/ 51	3.0	5.1	.5															80	80		79	73													
50/ 49	3.2	6.9	1.2															103	103		95	78													
48/ 47	3.9	7.3	.7															109	109		117	102													
46/ 45	3.3	10.2	.7															130	130		100	126													
44/ 43	3.0	6.2	.4															89	89		120	84													
42/ 41	3.3	7.0	1.1	.1														105	106		92	134													
40/ 39	1.3	3.3	.2															44	44		60	58													
38/ 37	1.3	2.4																34	34		58	49													
36/ 35	.5	2.4	.1															28	28		30	40													
34/ 33	.5	.4																9	9		20	38													
32/ 31	.1	.1																2	2		4	13													
30/ 29																						2													
28/ 27																																			
TOTAL	29.7	64.7	6.3	.2														919	920		919														

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7909182	85356	92.6	6.350	919	> 0 F	> 32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Dry Bulb	2365750	43250	47.0	5.950	920		2					93
Wet Bulb	1975743	42259	46.0	5.952	919		8					93
Dew Point	1897100	41354	45.0	6.281	919		1.6					93



037460 BOSCOMBE DOWN JK

037460  
STATION

BOSSCOMBE DOWN JK

73-62

237

PAGE 1 0300-7500

**Abstract**

USAFETAC FORM 0-26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



USAFETAC FORM 0-26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## USAFETAC

73-62

257

STATION

STATION NAME

YEARS

PAGE 1 2622-0822

[illegible]



## PSYCHROMETRIC SUMMARY

507

YEARS

USAFETAC FORM 0-26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/ 67					.1													1	1																
66/ 55				.1														2	2																
64/ 52		.2	.3	.1														5	5																
62/ 51		.7	1.0	.1	.1													17	17	2															
61/ 59	.9	2.6	1.9	.8														57	57	24	16														
58/ 57	.3	3.1	2.6	.8	.1	.1												63	63	34	20														
56/ 55	1.1	4.3	2.6	2.0	.2													89	89	62	52														
54/ 53	.9	4.7	2.3	2.2	.1													92	93	82	47														
52/ 51	2.7	5.8	4.1	1.3	.3													128	128	106	90														
50/ 49	1.9	5.5	3.8	.6	.2													108	109	130	90														
48/ 47	3.1	5.0	4.8	.4														120	120	144	110														
46/ 45	1.3	7.3	2.6	.3														104	104	109	107														
44/ 43	1.0	3.9	1.0	.1														54	54	101	112														
42/ 41	.7	2.1	.4	.2														31	31	47	133														
40/ 39	.3	.9	.2															13	13	26	41														
38/ 37	.7	.4																10	10	19	46														
36/ 35		.2																2	2	8	14														
34/ 33	.1	.1																2	2	2	13														
32/ 31		.1																1	1	2	4														
30/ 29	.1																	1	1	1	5														
28/ 27																					1														
TOTAL	15.1	46.8	27.5	9.1	1.3	.1												901	902	901	901														
													</																						



## PSYCHROMETRIC SUMMARY

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007

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
67/ 57						.1												1	1																	
64/ 53					.2													2	2																	
62/ 51			.4	.1														5	5																	
61/ 59	.8	2.5	.9															38	38	12	11															
57/ 57	.8	2.1	1.1															35	36	33	22															
55/ 55	1.4	6.2	.9	.3	.1													62	62	45	36															
54/ 53	1.9	5.1	1.5	.5														84	84	129	61															
52/ 51	1.7	8.3	2.5	.5														125	125	86	94															
51/ 49	.9	5.8	3.2	.3														101	101	106	68															
47/ 47	2.7	7.9	3.5	.3	.1													133	133	127	115															
46/ 45	1.3	11.9	3.6	.9														152	162	154	110															
44/ 43	.7	5.1	2.1	.5														77	77	100	124															
42/ 41	.4	4.6	1.4															59	59	75	114															
41/ 39		.4	.1															5	5	53	61															
35/ 37	.4	.3																7	7	18	48															
34/ 35																				4	27															
34/ 33																					18															
32/ 31																					5															
31/ 29																					2															
TOTAL	12.9	62.2	20.9	3.7	.3													917	917	917	917															

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7369847	80111	67.4	8.515	917	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	2265932	45360	49.5	4.920	917				.1			93
Wet Bulb	2107403	43707	47.7	5.139	917							93
Dew Point	1959593	42033	45.9	5.994	917		.7					93



## PSYCHROMETRIC SUMMARY

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[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-62

0CT

STATION

STATION NAME

YEARS

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
74/ 73																															4	4			
72/ 71																															3	3			
71/ 59																															1	1			
68/ 57																															5	5			
66/ 55																															10	10			
64/ 53																															98	68			
62/ 51																															111	111	29	3	
60/ 59																															352	352	129	102	
58/ 57																															364	364	231	123	
56/ 55																															594	594	470	316	
54/ 53																															583	584	700	407	
52/ 51																															909	909	722	632	
50/ 49																															723	723	607	612	
48/ 47																															900	900	1056	865	
46/ 45																															909	909	881	913	
44/ 43																															526	526	600	770	
42/ 41																															557	558	584	998	
40/ 39																															198	198	357	457	
38/ 37																															155	155	278	422	
36/ 35																															96	96	138	229	
34/ 33																															60	60	88	202	
32/ 31																															21	21	29	94	
30/ 29																															8	8	8	45	
28/ 27																															1	1	1	8	
TOTAL	19.9	52.2	17.1	7.5	2.6	.5	.2																								7278	7280	7278		

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	56237141	534277	87.1	1.305	7278	$\leq 0 F$	$+ 32 F$	$+ 67 F$	$+ 73 F$	$+ 80 F$	$+ 93 F$	
Dry Bulb	17962006	358676	49.3	6.318	7280			3.1	1.3	.4		744
Wet Bulb	16545592	344304	47.3	5.860	7278			3.9				744
Dew Point	15310626	330636	45.4	6.313	7278			15.0				744

FORM 0 26 3 OLA PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC JUN 77



## PSYCHROMETRIC SUMMARY

73-82

404

STAY ON

STATION NAME

YEARS

2000

PAGE 1 0000-0200

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
55/ 57	.2	.3																5	5	2	2														
56/ 55	1.5	2.6	.2															38	38	22	16														
57/ 53	1.2	4.6	.5															56	56	50	34														
52/ 51	1.5	5.3	.5															65	65	53	42														
57/ 47	1.7	3.4	1.7															60	60	63	58														
44/ 47	2.1	5.1	.5	.1														70	70	66	58														
46/ 45	1.3	5.9	.8															58	68	75	71														
44/ 43	1.5	5.3	1.4	.1														74	74	52	65														
42/ 41	2.8	6.8	1.8															110	110	80	91														
47/ 39	1.7	6.9	.5															81	81	88	53														
38/ 37	2.3	2.9	1.1															56	56	93	84														
36/ 35	1.8	4.4	.1															56	56	58	72														
34/ 33	2.5	4.2	.3															62	62	53	64														
32/ 31	1.2	2.9	.2															39	39	54	53														
30/ 29	1.5	2.1																32	32	43	49														
28/ 27	.8	.6																12	12	11	39														
26/ 25	.1																	1	1	5	17														
24/ 23																					5														
22/ 21																					2														
TOTAL	25.7	63.4	9.7	.2														385	385	695	885														

Element (X)	Σx'	Σx	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7321751	80217	90.6	7.583	885	≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	1664715	37825	42.7	7.374	885		8.5					90
Wet Bulb	1575744	36776	41.6	7.332	885		11.5					90
Dew Point	1492638	35558	40.2	7.814	885		17.3					90



USAFETAC FORM 0-26-3-OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 71)

## USAFETAC

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STATION	STATION NAME
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YEARS

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
58 / 57		.4																4	4																
56 / 55	1.1	3.1	.2															40	40	19	15														
54 / 53	1.1	2.5	.2															34	34	43	34														
52 / 51	2.1	4.8	.3															55	65	48	39														
50 / 49	1.3	5.8	.7															70	70	74	48														
48 / 47	1.9	3.9	.3															55	55	53	67														
46 / 45	2.9	5.2	1.2															82	82	72	91														
44 / 43	1.5	3.4	1.1	.2														56	56	49	41														
42 / 41	4.8	9.4	1.5															140	140	131	95														
40 / 39	1.0	4.4	.8	.1														56	56	73	68														
38 / 37	3.8	4.4	.4															77	77	98	68														
36 / 35	.6	4.7	.6															52	52	57	52														
34 / 33	2.9	2.6	.1															50	50	54	88														
32 / 31	.8	3.9	.2															44	44	58	42														
30 / 29	1.6	1.9																31	31	35	57														
28 / 27	1.9	1.1																27	27	27	49														
26 / 25	.3	.1																4	4	6	22														
24 / 23	.3																	3	3	4	12														
22 / 21																					2														
TOTAL	30.1	61.8	7.8	.3														890	890	890	890														



## PSYCHROMETRIC SUMMARY

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PAGE 1 3673-3830

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## PSYCHROMETRIC SUMMARY

037463 505COMBE DOWN JK

73-82

424

STATION

STATION NAME

YEARS

PAGE 1 0900-1100

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[illegible]



## PSYCHROMETRIC SUMMARY

73-62

424

STATION

STATION NAME

YEARS

PAGE 1 1270-1400

[illegible]



## PSYCHROMETRIC SUMMARY

037450 50500MBE DOWN JK  
STATION STATION NAME

73-82

434

PAGE 1 1500-1700

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
52/ 51									.1																								1	1		
52/ 59				.6	.4				.1																							10	10			
59/ 57	.3	1.8		.6	.2																											26	26	8	5	
55/ 55	1.0	4.5	1.3	.1																												62	62	31	15	
54/ 53	.2	3.4	2.1	.7																												57	57	63	38	
52/ 51	.8	4.9	3.5	.1																												83	83	55	55	
50/ 49	.7	3.7	3.5	.1																												71	71	54	39	
49/ 47	1.9	5.4	3.7	1.5	.2																											113	113	91	78	
45/ 45	.2	6.1	4.9	2.5	.1																											123	123	97	90	
44/ 43	.4	3.7	4.9	1.3																												93	93	90	60	
42/ 41	.3	4.9	4.7	.9	.1																											100	100	91	109	
4 / 39	.5	3.9	1.5	.5																												58	58	99	59	
35/ 37	1.1	1.7	1.2	.6																												41	41	94	75	
36/ 35	.2	.9	1.5																													23	23	40	77	
34/ 33	.9	.9	.7																													22	22	39	83	
32/ 31	.2	.6																														7	7	28	32	
30/ 29																																			3	23
29/ 27																																				32
26/ 25																																				15
24/ 23																																				8
TOTAL	9.0	47.0	34.8	8.5	.7																												890	890	890	890

Element (X)	$\Sigma x^4$	$\Sigma x^3$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6139227	73287	82.32	10.837	890	$\pm 0$ F	$\pm 32$ F	$\pm 67$ F	$\pm 73$ F	$\pm 80$ F	$\pm 93$ F	
Dry Bulb	1943934	41232	46.3	6.160	890		.7					90
Wet Bulb	1752707	39089	43.9	6.356	890		3.1					90
Dew Point	1555757	36587	41.1	7.626	890		11.1					90



## PSYCHROMETRIC SUMMARY

037463 BOSCOMBE DOWN UK

73-82

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STATION

STATION NAME

YEARS

PAGE 1 1600-2700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
58/ 57	.1	.9	.1															10	10	1	1														
56/ 55	.7	3.4	.9															44	44	17	12														
54/ 53	.4	3.9	.3	.1														43	43	45	27														
52/ 51	.6	5.3	1.6															56	66	49	38														
50/ 49	.8	5.1	1.3															54	64	74	51														
48/ 47	2.4	3.8	1.0	.1														65	65	75	73														
46/ 45	1.6	8.5	2.5	.2														114	114	66	65														
44/ 43	.9	6.2	1.7	.2														80	80	171	46														
42/ 41	.8	9.0	2.6	.3														113	113	70	110														
40/ 39	.8	6.1	1.1															71	71	85	70														
38/ 37	3.6	5.3	1.0	.6														93	93	112	74														
36/ 35	.4	2.6	.9	.2														37	37	53	84														
34/ 33	1.2	2.9	1.1															47	47	52	72														
32/ 31	.3	2.0	.2															23	23	50	43														
30/ 29	.4	1.1																14	14	22	38														
28/ 27	.1	.4																5	5	6	41														
26/ 25																				1	13														
24/ 23																					8														
22/ 21																					2														
TOTAL	15.2	66.5	15.4	1.8														389	889	689	989														
																					389	889	689	989											



## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 2125-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Po.																
52/ 57			.3															3	3																
54/ 55	1.3	2.5	.2															36	36	15	13														
54/ 53	1.0	3.8	.8		.1													51	51	42	23														
52/ 51	1.8	3.9	1.8															67	67	62	45														
51/ 49	1.6	2.5	1.0		.1													46	46	60	51														
47/ 47	2.2	5.2	.6		.1													72	72	59	58														
46/ 45	1.8	7.2	1.2															91	91	87	76														
44/ 43	1.1	4.6	1.5		.1													65	65	64	66														
42/ 41	1.7	10.8	1.1		.4													125	125	67	90														
40/ 39	1.0	8.0	.9															88	88	95	64														
37/ 37	2.1	4.0	.9		.1													64	64	102	85														
37/ 35	1.0	4.8	.3		.1													56	56	61	84														
34/ 33	1.7	3.5	.7															52	52	69	68														
32/ 31	.6	3.0	.2															34	34	54	44														
30/ 29	.4	2.0																22	22	34	52														
28/ 27	1.3	.6																17	17	18	44														
26/ 25	.1																	1	1	1	20														
24/ 23																					7														
TOTAL	27.9	66.7	11.2	1.1																890	890														
																		390		890															



## PSYCHROMETRIC SUMMARY

037457	BOSCOMBE DOWN JK
STATION	STATION NAME

73-62

434

PAGE 1

ALL

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## PSYCHROMETRIC SUMMARY

73-62

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PAGE 1 0000-0700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
50 / 55			.4															4	4	4														
49 / 53		1.5	.3	.1														13	13	4	4													
48 / 51	1.0	3.1	.3															40	40	10	16													
47 / 49	.4	4.9	.8	.1														57	57	51	33													
46 / 47	.9	5.1	.5	.1														61	61	53	48													
45 / 45	2.6	7.5	.3	.1														101	101	87	82													
44 / 43	1.5	2.9	1.0															49	49	78	74													
42 / 41	1.7	8.1	1.2															101	101	57	57													
41 / 39	2.3	5.0	.3															67	67	97	67													
38 / 37	2.8	5.5	1.1															86	86	90	81													
36 / 35	3.2	5.2	.3															80	80	91	84													
34 / 33	4.3	4.5	.4															92	92	94	90													
32 / 31	1.5	4.5	.1															57	57	74	73													
31 / 29	1.9	3.4	.1															49	49	55	67													
29 / 27	1.9	1.6	.1															33	33	37	61													
27 / 25	1.0	.4																13	13	16	22													
24 / 23	1.0	.1																10	10	12	25													
22 / 21	.3																	3	3	4	8													
21 / 19	.1																	1	1	1	5													
19 / 17																					3													
16 / 15	.1	.1																2	2	2	1													
14 / 13		.1																1	1	1	1													
12 / 11																					1													
11 / 9																					1													
TOTAL	22.1	64.0	7.4	.4														915	915	915	915													
																					915		915											



## PSYCHROMETRIC SUMMARY

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STATE	STATE ON NAME
ALABAMA	ALABAMA
ALASKA	ALASKA
ARIZONA	ARIZONA
ARKANSAS	ARKANSAS
CALIFORNIA	CALIFORNIA
COLORADO	COLORADO
CONNECTICUT	CONNECTICUT
DELAWARE	DELAWARE
FLORIDA	FLORIDA
GEORGIA	GEORGIA
HAWAII	HAWAII
ILLINOIS	ILLINOIS
INDIANA	INDIANA
IOWA	IOWA
KANSAS	KANSAS
KENTUCKY	KENTUCKY
LOUISIANA	LOUISIANA
MAINE	MAINE
MARYLAND	MARYLAND
MASSACHUSETTS	MASSACHUSETTS
MICHIGAN	MICHIGAN
MINNESOTA	MINNESOTA
MISSISSIPPI	MISSISSIPPI
MISSOURI	MISSOURI
MONTANA	MONTANA
NEBRASKA	NEBRASKA
NEVADA	NEVADA
NEW HAMPSHIRE	NEW HAMPSHIRE
NEW JERSEY	NEW JERSEY
NEW MEXICO	NEW MEXICO
NEW YORK	NEW YORK
NORTH CAROLINA	NORTH CAROLINA
NORTH DAKOTA	NORTH DAKOTA
OHIO	OHIO
OKLAHOMA	OKLAHOMA
OREGON	OREGON
PENNSYLVANIA	PENNSYLVANIA
RHODE ISLAND	RHODE ISLAND
SOUTH CAROLINA	SOUTH CAROLINA
SOUTH DAKOTA	SOUTH DAKOTA
TENNESSEE	TENNESSEE
TEXAS	TEXAS
UTAH	UTAH
VERMONT	VERMONT
VIRGINIA	VIRGINIA
WASHINGTON	WASHINGTON
WEST VIRGINIA	WEST VIRGINIA
WISCONSIN	WISCONSIN
WYOMING	WYOMING

1605

PAGE 1 7300-3500

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

027460 BOSCOMBE DOWN UK

73-82

DEC

STATION

STATION NAME

YEARS

PAGE 1 0600-0800

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
50/55			1.1															10	10																
49/53		.1	1.1															11	11	15	5														
48/51		.3	2.3	.8														28	28	15	15														
47/49		.5	2.7	.4														34	34	33	17														
46/47	1.9	4.3	.1															57	57	53	42														
45/45	2.5	9.3	1.5															122	123	88	52														
44/43	1.1	5.8	.8															70	70	74	62														
42/41	2.2	7.3	.9															93	93	91	109														
40/39	1.6	4.3	.7															60	60	61	50														
38/37	3.9	4.3	.7															79	79	88	73														
36/35	1.7	5.7	.4															72	72	61	63														
34/33	3.9	5.1																83	83	115	74														
32/31	2.5	4.3	.1															63	63	83	88														
29/29	2.4	2.4																44	44	48	52														
27/27	2.3	2.1																37	37	31	45														
26/25	.8	.5																12	12	20	20														
24/23	2.3	.9																29	29	24	26														
22/21	.2	.2																4	4	9	26														
20/19	.1	.1																2	2	3	8														
18/17	.1																	1	1	2	1														
16/15	.3																	3	3	3	4														
14/13		.1																1	1	1	4														
12/12																					1														
TOTAL	30.4	3.3	6.3															915	915	915	915														

Element (X)	Σ X²	Σ X	Σ	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7621794	83258	91.3	7.091	915	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1443074	35660	38.9	7.741	915		19.9					93
Wet Bulb	1364338	34658	37.9	7.512	915		22.8					93
Dew Point	1276017	33399	36.5	7.890	915		31.1					93

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7521794	83258	91.3	7.591	915	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1443074	35560	38.9	7.741	915		19.9					93
Wet Bulb	1364338	34658	37.9	7.512	915		22.8					93
Dew Point	1276017	33399	36.5	7.890	915		31.1					93

USAFETAC FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

73-62

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STATION

STATION NAME

VFARS

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037400 BOSCOMBE DOWN JK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
50/ 57			.3															3	7														15	15	6	6	
50/ 55	.7	.7	.3															25	25	20	20	5											57	57	31	24	
50/ 53	.2	2.3	.6															57	57	31	24	28											77	77	44	28	
52/ 51	.9	2.7	2.4	.3														96	98	174	45	57											117	117	89	106	
50/ 49	.8	4.1	3.7															94	94	86	57	57											131	132	89	120	
48/ 47	1.4	6.1	2.9	.4														66	66	103	56	56											72	72	86	88	
46/ 45	1.3	6.5	3.7	1.4														41	41	79	67	67											43	43	64	82	
44/ 43	.6	5.1	4.3	.9														29	29	54	62	62											19	19	27	58	
42/ 41	1.3	7.1	4.5	1.5														11	11	9	57	57											4	4	10	21	
40/ 39	.6	4.2	2.1	.4														2	2	2	13	13															
38/ 37	.8	4.5	2.7																			2															
36/ 35	.2	2.5	1.7	.1																		1															
34/ 33	1.5	2.3	.9																			2															
32/ 31	.6	2.3	.7																			2															
30/ 29	.9	1.1	.1																			2															
28/ 27	.4	.8																				2															
26/ 25	.3	.1																				2															
24/ 23	.1	.1																				2															
22/ 21																						2															
20/ 19																						2															
18/ 17																						2															
TOTAL	12.6	51.9	30.4	5.1														904	905	904	904	904															
Element (X)	$\Sigma x^1$				$\Sigma x$				$\bar{x}$				$\sigma_x$				No. Obs.				Mean No. of Hours with Temperature										Total						
Rel. Hum.	6478719				75974				84.0				10.187				904				= 0 F = 32 F = 67 F = 73 F = 80 F = 93 F																
Dry Bulb	1703342				38782				42.9				5.519				905				6.7										23						
Wet Bulb	1543267				36889				40.8				6.484				904				12.6										93						
Dew Point	1371127				34579				38.3				7.324				904				22.5										93						

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC  
JUN 71



## PSYCHROMETRIC SUMMARY

037460                      BOSCOMBE DOWN JK  
STATION    STATION

73-82

050

PAGE 1 1522-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
56/ 55	.3	.4	.2															9	9	3	3											
54/ 53	.3	2.2	.1															24	24	17	6											
52/ 51	.3	3.2	.3															35	35	24	24											
50/ 49	.7	4.0	3.0															71	71	51	24											
48/ 47	1.0	8.2	1.7															100	100	43	50											
46/ 45	1.4	7.2	2.9	.3	.1													110	110	95	102											
44/ 43	.9	5.9	2.2	.2	.1													85	65	82	71											
42/ 41	1.4	8.5	4.7	.1														135	135	90	100											
40/ 39	1.0	5.3	2.5	.2														93	83	90	80											
38/ 37	1.0	5.5	2.0	.1														79	79	106	73											
36/ 35	1.1	4.7	1.4	.1														67	67	99	62											
34/ 33	1.5	3.5	.7															52	52	91	96											
32/ 31	.4	1.3	.8															23	23	49	70											
30/ 29	.5	1.5	.4															23	23	27	70											
28/ 27	1.0	.9																17	17	01	37											
26/ 25	.2	.1																3	3	7	27											
24/ 23	.1	.2																3	3	2	15											
22/ 21																				2	3											
20/ 19																					5											
18/ 17																					1											
TOTAL	13.2	62.6	23.0	1.1	.2													919	919	919	919											
																		919		919												
	</																															



## PSYCHROMETRIC SUMMARY

73-82

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## PSYCHROMETRIC SUMMARY

73-62

DEC

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

72-82

DEC

STATION

STATION NAME

YEARS

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 57			.1															5	5																
56/ 55	.1	.5	.1															58	58	11	10														
54/ 53	.2	1.3	.2	.0														130	130	92	41														
52/ 51	.5	2.6	.7	.0														292	292	187	133														
50/ 49	.5	4.0	1.5	.0														450	450	357	141														
48/ 47	1.3	6.1	.9	.1														620	620	580	381														
46/ 45	2.1	7.8	1.8	.3	.0													877	878	712	771														
44/ 43	1.0	5.0	1.4	.2	.0													557	557	616	503														
42/ 41	1.7	7.8	2.3	.2														882	883	614	772														
40/ 39	1.5	5.0	1.0	.1														563	563	661	529														
38/ 37	2.8	4.4	1.4	.0														525	525	753	567														
36/ 35	1.5	5.1	.8	.0														550	550	592	515														
34/ 33	3.1	4.4	.4		.0													582	582	737	679														
32/ 31	1.4	3.6	.3	.0														390	390	584	579														
30/ 29	1.4	2.8	.1															315	315	346	577														
28/ 27	1.5	1.4	.1															217	217	212	454														
26/ 25	.7	.5																93	83	123	181														
24/ 23	.9	.3																93	93	98	176														
22/ 21	.2	.0																15	15	36	67														
20/ 19	.1	.0																7	7	9	57														
18/ 17	.1																	6	6	7	14														
16/ 15	.1	.0																10	10	10	17														
14/ 13	.0	.0																5	5	5	10														
12/ 11	.0																	1	1	1	5														
10/ 9																					4														
TOTAL	23.0	62.8	13.1	1.0	.0														7335		7333														
																			7333		7333														



## PSYCHROMETRIC SUMMARY

037463

BOSCOMBE DOWN JK

73-82

All

STATION

STATION NAME

YEARS

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ALL

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## PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN UK

73-82

All

STATION

STATION NAME

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PAGE 2

ALL

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

45 BODDUMBE DOWN UK

73-82

		YEARS												ANNUAL
		AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1-5	MEAN	36.1	37.7	39.2	41.6	46.4	52.2	55.6	56.1	52.5	47.0	42.7	39.6	45.7
	S.D.	6.383	6.246	5.542	5.426	5.126	5.240	4.399	4.599	5.085	5.957	7.374	7.448	6.816
	TOTAL OBS	676	831	909	863	915	873	896	877	883	920	895	915	17665
6-10	MEAN	37.6	36.9	36.3	40.1	44.8	50.4	53.7	54.2	51.1	46.0	42.2	39.0	44.6
	S.D.	7.135	6.394	5.611	5.542	5.283	5.078	4.461	4.618	5.458	6.175	7.591	7.582	6.671
	TOTAL OBS	885	830	906	878	921	875	903	903	881	916	890	916	17724
11-15	MEAN	37.2	36.7	36.6	41.5	47.8	54.0	57.0	56.1	52.0	46.0	42.2	38.9	45.6
	S.D.	7.347	6.581	5.730	5.580	5.198	4.959	4.205	4.437	5.400	6.312	7.865	7.741	6.419
	TOTAL OBS	694	837	911	882	909	868	881	876	868	917	887	916	17638
16-20	MEAN	38.5	39.1	40.7	47.4	54.0	60.0	63.1	63.3	58.4	50.7	44.7	40.2	50.0
	S.D.	7.131	6.167	5.198	5.492	5.899	6.360	5.271	5.130	4.871	5.497	7.231	7.453	6.798
	TOTAL OBS	680	836	905	864	910	868	859	899	880	902	891	920	17674
21-25	MEAN	41.3	42.6	46.4	51.7	57.4	63.6	66.8	67.3	62.2	54.4	47.8	42.9	53.7
	S.D.	6.263	5.772	5.172	6.184	6.995	7.286	6.242	6.150	5.559	4.954	5.950	6.519	6.083
	TOTAL OBS	676	824	906	870	897	862	870	892	875	694	880	905	17551
26-30	MEAN	40.5	42.4	46.1	51.7	57.6	64.0	67.2	67.5	61.7	53.3	46.3	42.0	53.4
	S.D.	5.975	5.553	5.224	6.266	7.161	7.545	6.332	6.453	5.815	5.013	6.160	6.437	6.406
	TOTAL OBS	883	827	910	880	916	873	901	886	879	904	890	919	17668
1-7	MEAN	38.6	39.6	42.6	47.8	53.9	60.5	63.6	63.1	56.9	49.5	43.6	40.3	50.0
	S.D.	6.399	5.568	5.001	5.955	6.498	6.746	5.646	5.909	5.191	4.920	6.777	7.025	6.797
	TOTAL OBS	884	831	919	884	902	877	885	881	878	917	889	922	17669
8-14	MEAN	36.1	38.4	40.2	43.6	49.1	55.0	58.1	58.3	53.7	47.6	42.7	39.7	47.0
	S.D.	6.699	5.923	5.164	5.298	5.409	5.547	4.642	4.669	4.907	5.385	7.153	7.437	6.305
	TOTAL OBS	883	836	912	886	918	873	893	893	878	910	890	922	17694
ALL HOURS	MEAN	38.8	39.2	41.8	45.6	51.4	57.5	60.6	60.7	56.1	49.3	44.0	40.3	48.8
	S.D.	6.906	6.407	6.142	7.121	7.595	7.871	7.137	7.210	6.696	6.318	7.304	7.332	6.611
	TOTAL OBS	7053	6652	7278	7047	7288	6969	7128	7109	7022	7280	7102	7335	85263



CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

19460 BOSCOMBE DOWN UK

73-52

		YEAR												
		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL			
1	MEAN	37.0	38.6	37.9	39.7	44.6	50.3	53.6	54.3	51.2	46.0	41.5	38.5	44.3
	STDEV	6.530	6.226	5.563	5.314	4.888	4.914	4.045	4.254	5.105	5.952	7.332	7.221	6.551
	TOTAL OBS	678	830	909	883	915	873	896	876	882	919	885	915	17661
2	MEAN	36.4	36.0	37.2	36.6	43.4	49.0	52.2	53.0	50.1	45.1	41.1	37.9	43.4
	STDEV	7.001	6.310	5.760	5.465	5.108	4.958	4.234	4.484	5.470	6.206	7.546	7.371	6.497
	TOTAL OBS	685	830	905	878	921	875	902	903	881	916	890	915	17702
3	MEAN	36.2	35.6	37.5	39.6	45.6	51.6	54.4	54.3	50.8	45.1	41.1	37.9	44.1
	STDEV	7.162	6.549	5.740	5.431	4.812	4.400	3.721	4.092	5.363	6.315	7.850	7.512	6.954
	TOTAL OBS	684	837	911	881	978	868	879	878	868	917	887	915	17635
4	MEAN	37.1	37.7	40.5	43.1	48.8	54.2	57.3	57.7	54.6	48.4	43.0	38.8	46.3
	STDEV	6.636	6.208	5.130	4.894	4.754	4.400	3.898	3.509	4.402	5.297	7.219	7.248	6.954
	TOTAL OBS	68	836	904	883	910	868	899	898	879	901	890	920	17668
1-14	MEAN	39.2	43.0	42.2	44.8	50.1	55.7	58.5	58.9	55.9	50.3	44.9	40.8	46.5
	STDEV	6.345	5.836	4.829	5.026	5.024	4.850	3.961	3.718	4.431	4.846	6.240	6.444	6.788
	TOTAL OBS	676	824	906	869	897	852	869	892	875	894	880	904	17548
1-17	MEAN	36.9	39.8	42.0	44.9	50.2	55.9	58.7	59.1	55.6	49.7	43.9	40.2	46.3
	STDEV	5.899	5.559	4.771	4.957	5.077	4.849	3.788	3.656	4.560	4.903	6.356	6.459	6.906
	TOTAL OBS	683	827	910	880	916	872	895	886	879	904	890	919	17664
1-20	MEAN	37.4	38.0	40.1	43.1	43.7	54.6	57.4	57.6	53.6	47.7	42.1	39.0	45.6
	STDEV	6.355	5.733	4.989	5.066	5.004	4.821	3.766	3.842	4.690	5.139	6.005	6.947	6.364
	TOTAL OBS	684	830	919	884	902	876	885	881	878	917	889	902	17667
1-23	MEAN	36.9	37.1	38.6	40.9	46.1	52.0	55.0	55.4	51.9	46.4	41.4	38.6	46.0
	STDEV	6.530	5.987	5.248	5.062	4.791	4.680	3.910	3.901	4.907	5.507	7.117	7.184	6.702
	TOTAL OBS	683	836	912	886	916	872	893	892	878	910	890	922	17690
ALL MONTHS	MEAN	37.4	37.6	39.5	41.8	47.2	52.9	55.9	56.3	53.0	47.3	42.4	39.0	45.9
	STDEV	6.667	6.251	5.575	5.637	5.502	5.348	4.536	4.505	5.316	5.860	7.200	7.127	6.023
	TOTAL OBS	7053	6650	7276	7044	7285	6966	7121	7106	7023	7278	7101	7333	85233



USAFETAC 0895 (OLA)



1 GENERAL CLIMATOLOGY BRANCH  
2 USAFETAC  
AT WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1941 DOWNSIDE DOWN JK

73-82

MO	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1-12	35.4	35.1	36.2	37.2	42.5	48.7	51.9	52.8	53.1	45.1	40.2	37.3	42.7	
STDEV	7.366	6.884	6.229	6.080	5.645	5.337	4.383	4.644	5.423	6.261	7.814	7.613	7.974	
TOTAL OBS	875	830	909	883	915	873	896	876	882	919	885	915	10661	
1-11	34.7	34.6	35.7	36.7	41.8	47.8	51.5	52.0	49.3	44.2	39.8	36.5	42.1	
STDEV	7.455	6.886	6.341	5.994	5.583	5.326	4.426	4.742	5.654	6.539	8.061	7.724	8.935	
TOTAL OBS	885	830	905	878	921	875	902	903	881	916	890	916	10702	
1-10	34.7	34.5	35.9	37.3	43.3	49.3	52.3	52.9	49.8	44.2	39.7	36.5	42.5	
STDEV	7.639	7.210	6.415	6.085	5.504	4.954	4.233	4.332	5.608	6.615	8.340	7.892	9.255	
TOTAL OBS	884	837	911	881	908	868	879	878	868	917	897	915	10633	
1-9	35.2	35.9	37.3	38.1	43.6	49.4	52.8	53.4	51.5	46.2	41.0	37.1	43.5	
STDEV	7.500	7.374	6.367	6.441	5.258	5.797	5.111	4.780	5.332	5.971	7.951	7.782	9.244	
TOTAL OBS	881	836	904	881	910	868	899	898	879	901	890	900	10661	
1-8	35.4	36.5	36.9	37.3	42.9	49.3	52.4	52.7	50.5	46.5	41.6	38.3	43.5	
STDEV	6.937	7.236	6.929	6.950	6.921	6.091	5.191	5.376	5.663	6.302	7.795	7.324	9.186	
TOTAL OBS	876	824	906	869	897	862	869	892	875	894	880	904	10543	
1-7	36.3	36.3	36.7	37.0	43.1	49.3	52.4	52.7	50.5	46.3	41.1	38.1	43.3	
STDEV	6.756	7.123	6.930	7.129	6.960	6.092	4.947	5.429	5.778	6.263	7.826	7.243	9.111	
TOTAL OBS	883	827	910	880	916	872	898	886	879	904	890	919	10664	
1-6	35.5	35.8	36.9	37.6	43.5	49.8	52.8	53.3	50.7	45.8	40.2	37.4	43.3	
STDEV	6.880	6.746	6.278	6.708	6.547	5.864	4.509	5.104	5.483	5.994	7.561	7.521	9.154	
TOTAL OBS	884	830	919	884	902	876	885	881	878	917	889	902	10667	
1-5	35.5	35.4	36.4	37.5	43.1	49.3	52.6	53.2	50.3	45.2	39.8	37.0	42.9	
STDEV	7.000	6.723	6.124	6.166	5.863	5.235	4.329	4.557	5.437	6.055	7.639	7.567	9.042	
TOTAL OBS	883	836	912	886	916	872	893	892	878	910	890	902	10690	
ALL HOURS	35.5	35.5	36.5	37.3	43.0	49.1	52.3	52.9	50.4	45.4	40.4	37.2	43.0	
STDEV	7.199	7.019	6.475	6.458	6.205	5.626	4.682	4.901	5.590	6.313	7.876	7.672	9.114	
TOTAL OBS	7053	6650	7276	7044	7285	6966	7121	7106	7020	7278	7101	7333	85233	



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PERIOD

8-2-2

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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FORM 111.04

0-87-5 (OL A)



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BOSCOMBE DOWN UNITED KINGDOM REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER O..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 83  
USAFETAC/DS-83/006 SBI-AD-E850 370

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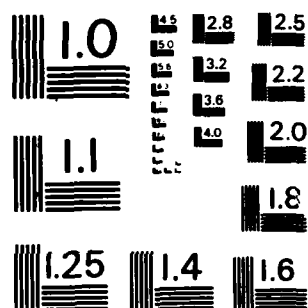
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFC WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

037460 BOSCOMBE DOWN UK

73-82

FEB

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	100.0	99.9	98.7	91.1	58.9	90.5	830
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.9	94.1	65.2	91.7	837
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	98.6	93.9	69.7	91.8	837
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	92.8	80.0	52.0	88.2	836
	12-14	100.0	100.0	100.0	100.0	99.5	92.8	73.5	50.2	24.9	79.8	824
	15-17	100.0	100.0	100.0	100.0	99.2	91.1	74.4	51.0	22.9	79.6	827
	18-20	100.0	100.0	100.0	100.0	100.0	99.5	93.1	75.9	38.4	86.2	830
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	97.5	86.4	50.4	89.0	836
TOTALS		100.0	100.0	100.0	100.0	99.8	97.8	90.9	77.8	47.8	87.1	6650



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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90		
MAR	03-02	100.0	100.0	100.0	100.0	100.0	100.0	97.5	84.2	50.4	82.6	909
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	97.1	89.4	59.3	90.1	905
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	97.3	88.1	60.2	90.1	911
	09-11	100.0	100.0	100.0	99.7	98.6	92.9	79.3	54.0	29.6	81.0	904
	12-14	100.0	99.9	99.8	97.8	88.9	71.6	53.5	33.5	14.1	71.2	906
	15-17	100.0	100.0	99.6	96.9	86.6	72.0	55.4	36.7	15.3	71.7	910
	18-20	100.0	100.0	100.0	100.0	98.4	92.3	79.4	57.2	26.0	80.8	919
	21-23	100.0	100.0	100.0	100.0	99.9	99.3	92.9	74.0	41.8	86.2	912
TOTALS		100.0	100.0	99.9	99.3	96.6	91.0	81.6	64.3	37.0	82.5	7276



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STATION

STATION NAME

PERIOD

MONTH

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## RELATIVE HUMIDITY

**JUN**

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.7	98.6	93.8	83.5	57.3	87.9	873
	03-05	100.0	100.0	100.0	100.0	99.9	99.3	97.9	89.6	61.9	90.8	875
	06-08	100.0	100.0	100.0	100.0	99.5	96.1	88.9	67.3	37.9	84.6	868
	09-11	100.0	100.0	99.8	97.5	90.1	69.9	49.0	23.8	10.0	69.5	868
	12-14	100.0	100.0	98.4	91.4	74.8	50.0	28.3	14.0	5.3	61.7	862
	15-17	100.0	99.4	97.5	91.1	74.9	48.1	29.4	12.4	4.6	61.1	872
	18-20	100.0	99.8	99.4	96.7	89.4	71.5	51.4	22.7	8.4	69.4	876
	21-23	100.0	100.0	100.0	99.5	98.2	93.6	83.6	59.5	28.0	82.0	872
TOTALS		100.0	99.9	99.4	97.0	90.8	78.4	65.3	46.2	25.8	75.9	6966



## RELATIVE HUMIDITY

JUL  
2009

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.3	97.7	95.5	80.9	48.7	87.8	896
	03-05	100.0	100.0	100.0	100.0	99.8	99.0	97.1	90.7	65.7	90.7	932
	06-08	100.0	100.0	100.0	99.9	99.5	96.8	90.7	69.3	35.5	84.9	879
	09-11	100.0	99.9	99.6	98.3	92.8	75.5	49.9	21.8	8.2	70.2	899
	12-14	100.0	100.0	98.5	93.8	76.2	48.8	26.4	11.5	4.8	61.7	669
	15-17	100.0	100.0	98.7	93.8	73.4	46.3	24.8	11.0	4.5	60.7	698
	18-20	100.0	99.9	99.7	98.5	90.7	72.2	50.6	19.7	6.6	69.3	685
	21-23	100.0	100.0	100.0	100.0	99.0	95.9	87.1	60.0	24.2	82.4	893
TOTALS		100.0	100.0	99.6	98.0	91.3	79.0	65.3	45.6	24.8	76.0	7121



## RELATIVE HUMIDITY

AUG

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	30-32	100.0	100.0	100.0	99.7	99.7	97.7	95.0	82.6	55.8	88.8	876
	33-35	100.0	100.0	100.0	99.9	99.8	99.7	98.7	91.1	70.7	92.1	933
	36-38	100.0	100.0	100.0	100.0	99.9	98.9	96.0	82.8	54.3	89.3	878
	39-41	100.0	100.0	99.2	97.7	92.9	75.8	55.5	28.8	12.2	71.8	898
	42-44	100.0	99.9	97.0	91.9	75.4	47.4	27.8	14.1	5.4	61.6	892
	45-47	100.0	99.8	96.4	90.5	72.1	49.4	30.6	14.8	6.5	61.7	886
	48-50	100.0	100.0	98.3	95.8	93.0	78.0	63.8	32.7	11.6	72.4	881
	51-53	100.0	100.0	100.0	99.4	98.1	94.1	88.0	69.1	34.5	84.0	892
TOTALS		100.0	100.0	98.9	96.9	91.0	80.1	69.1	52.0	31.4	77.7	7106



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## RELATIVE HUMIDITY

357

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.7	95.2	71.5	92.6	919
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.7	95.0	77.1	93.6	916
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.8	95.0	74.5	93.4	917
	09-11	100.0	100.0	100.0	100.0	100.0	98.4	92.1	66.1	37.6	85.3	901
	12-14	100.0	100.0	100.0	100.0	97.3	86.7	66.7	35.9	16.3	75.0	894
	15-17	100.0	100.0	100.0	100.0	98.0	90.2	75.4	43.5	18.7	78.0	904
	18-20	100.0	100.0	100.0	100.0	100.0	99.3	95.6	78.7	43.3	87.4	917
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	98.9	92.5	62.0	91.0	910
TOTALS		100.0	100.0	100.0	100.0	99.4	96.8	91.0	75.2	50.1	87.1	7278

USAFETAC FORM 0-87-5 (OL A)



## RELATIVE HUMIDITY

NOV  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	98.2	89.2	60.9	90.6	885
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	97.6	91.1	64.8	91.3	890
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.2	91.1	61.2	91.0	887
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	93.9	74.5	41.1	86.9	890
	12-14	100.0	100.0	100.0	100.0	98.9	92.6	76.7	46.8	21.6	79.5	680
	15-17	100.0	100.0	100.0	100.0	99.9	96.3	84.5	57.6	25.6	82.3	890
	18-20	100.0	100.0	100.0	100.0	100.0	99.2	95.6	82.2	41.5	87.7	689
	21-23	100.0	100.0	100.0	100.0	100.0	99.7	97.6	86.9	51.7	89.4	890
TOTALS		100.0	100.0	100.0	100.0	99.9	98.4	92.8	77.4	46.1	87.3	7101



### RELATIVE HUMIDITY

DEC

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	100.0	100.0	97.9	90.9	60.3	90.5	915
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.5	91.6	63.6	90.9	916
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.3	91.3	62.5	91.0	915
	09-11	100.0	100.0	100.0	100.0	100.0	99.8	96.0	84.2	49.2	88.6	920
	12-14	100.0	100.0	100.0	100.0	100.0	98.8	87.6	65.3	32.3	84.0	904
	15-17	100.0	100.0	100.0	100.0	99.8	99.5	92.5	75.1	38.5	86.2	919
	18-20	100.0	100.0	100.0	100.0	99.9	99.7	98.7	87.4	54.3	89.5	922
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	98.0	88.8	58.9	90.2	922
TOTALS		100.0	100.0	100.0	100.0	100.0	99.7	96.1	84.3	52.5	88.9	7333

FORM  
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0-87-5 (OL A)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

37450 BOSCOMBE DOWN UK  
STATION

73-82  
PERIOD

ALL  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
JAN	ALL	100.0	100.0	100.0	100.0	99.9	99.1	94.7	91.2	47.5	88.1	7153
FEB		100.0	100.0	100.0	100.0	99.8	97.8	90.9	77.8	47.8	87.1	6650
MAR		100.0	100.0	99.9	99.3	96.6	91.0	81.6	64.3	37.0	82.5	7276
APR		100.0	100.0	99.7	96.9	89.1	77.8	63.8	44.7	21.1	74.8	7144
MAY		100.0	99.8	98.9	96.3	89.5	77.5	65.3	46.1	26.5	75.4	7285
JUN		100.0	99.9	99.4	97.0	90.8	78.4	65.3	46.2	25.8	75.9	6966
JUL		100.0	100.0	99.6	98.0	91.3	79.0	65.3	45.6	24.8	76.0	7121
AUG		100.0	100.0	98.9	96.9	91.0	80.1	69.1	52.0	31.4	77.7	7106
SEP		100.0	100.0	100.0	99.5	97.0	89.7	80.0	62.0	39.7	82.5	7020
OCT		100.0	100.0	100.0	100.0	99.4	96.8	91.0	75.2	50.1	87.1	7278
NOV		100.0	100.0	100.0	100.0	99.9	98.4	92.8	77.4	46.1	87.3	7100
DEC		100.0	100.0	100.0	100.0	100.0	99.7	96.1	84.3	52.5	88.9	7333
TOTALS		100.0	100.0	99.7	98.7	95.4	88.8	79.7	63.1	37.7	81.9	85233



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

# PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

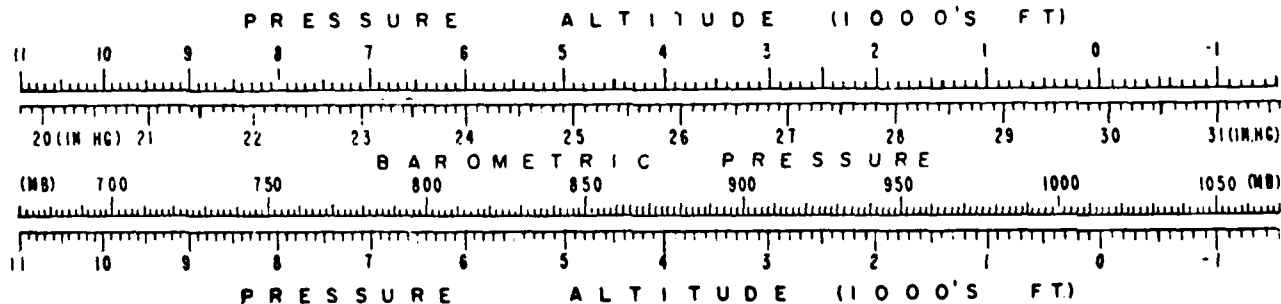
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury. DATA NOT AVAILABLE
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

037400 BOSCOMBE DOWN UK

73-82

HR	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0	MEAN	1015.4	1014.2	1013.7	1018.4	1015.6	1017.7	1017.8	1017.8	1016.4	1014.1	1017.3	1013.0	1015.9
	S.D.	13.585	13.490	11.932	8.830	8.097	7.196	6.006	6.510	9.323	11.138	11.181	15.759	10.773
	TOTAL OBS	260	249	301	264	303	289	292	290	294	306	293	374	3405
3	MEAN	1014.8	1014.1	1013.1	1017.8	1015.4	1017.3	1017.1	1017.3	1016.0	1013.5	1016.4	1013.1	1015.5
	S.D.	13.794	13.728	11.952	8.949	8.100	7.351	6.384	6.597	9.339	11.183	11.265	15.495	10.803
	TOTAL OBS	262	249	301	264	307	290	298	292	294	304	295	372	3458
6	MEAN	1014.3	1013.9	1013.0	1017.9	1015.4	1017.3	1017.4	1017.4	1016.0	1013.6	1016.3	1012.8	1015.4
	S.D.	13.647	13.687	12.370	9.077	8.256	7.556	6.328	6.716	9.495	11.115	11.368	15.406	10.895
	TOTAL OBS	262	254	304	264	305	294	287	291	290	308	296	304	3459
9	MEAN	1015.0	1014.5	1013.5	1018.3	1015.6	1017.4	1017.5	1017.7	1016.4	1014.2	1016.9	1013.2	1015.8
	S.D.	13.977	13.781	11.825	8.964	8.160	7.608	6.347	6.746	9.591	11.011	11.445	15.401	10.876
	TOTAL OBS	263	252	300	264	300	286	291	296	289	297	297	379	3444
12	MEAN	1014.9	1014.4	1013.5	1017.8	1015.2	1017.3	1017.0	1017.4	1016.1	1013.8	1016.5	1013.1	1015.6
	S.D.	14.079	13.750	11.802	8.989	8.023	7.323	6.213	6.450	9.432	11.124	11.569	15.369	10.800
	TOTAL OBS	260	251	301	264	303	294	295	296	289	305	295	372	3455
15	MEAN	1014.1	1013.4	1012.6	1017.2	1014.8	1016.8	1016.8	1016.9	1015.6	1013.1	1015.9	1012.6	1015.0
	S.D.	13.976	13.689	11.546	8.837	7.895	7.098	5.935	6.256	9.143	10.897	11.530	15.261	10.675
	TOTAL OBS	262	246	298	263	303	291	295	284	291	301	296	304	3434
18	MEAN	1014.7	1013.9	1012.8	1017.3	1015.0	1016.7	1016.5	1016.9	1015.7	1013.7	1016.6	1012.9	1015.2
	S.D.	13.718	13.469	11.474	8.582	7.712	7.036	5.797	5.978	9.106	10.991	11.386	15.480	10.581
	TOTAL OBS	262	250	302	265	303	291	295	286	291	305	299	306	3455
21	MEAN	1015.3	1014.3	1013.6	1018.2	1015.7	1017.6	1017.5	1017.7	1016.4	1014.3	1017.0	1012.9	1015.9
	S.D.	13.524	13.553	11.602	8.647	7.776	7.152	5.860	6.218	9.223	10.881	11.403	15.938	10.687
	TOTAL OBS	263	251	305	263	305	290	293	294	294	305	296	306	3465
ALL HOURS	MEAN	1014.8	1014.1	1013.2	1017.9	1015.3	1017.3	1017.2	1017.4	1016.1	1013.8	1016.6	1013.0	1015.5
	S.D.	13.796	13.624	11.766	8.857	7.998	7.288	6.117	6.439	9.323	11.034	11.383	15.490	10.765
	TOTAL OBS	2094	2002	2412	2111	2429	2325	2346	2329	2332	2431	2367	2437	27615



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